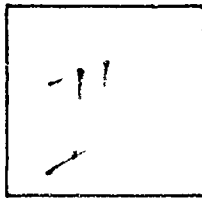


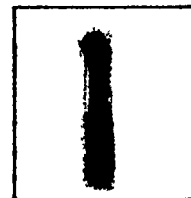
PHOTOGRAPH THIS SHEET

AD A 076071

DTIC ACCESSION NUMBER



LEVEL



INVENTORY

USAFETAC/DS-79/075  
DOCUMENT IDENTIFICATION

**DISTRIBUTION STATEMENT A**

Approved for public release;  
Distribution Unlimited

**DISTRIBUTION STATEMENT**

**ACCESSION FOR**

NTIS GRA&I ☒

DTIC TAB ☐

UNANNOUNCED ☐

JUSTIFICATION

BY

DISTRIBUTION /

AVAILABILITY CODES

DIST

AVAIL AND/OR SPECIAL

A

23  
70A

DISTRIBUTION STAMP

DDC  
RECEIVED  
NOV 2 1979  
D

DATE ACCESSIONED

DATE RECEIVED IN DTIC

PHOTOGRAPH THIS SHEET AND RETURN TO DTIC-DDA-2

DTIC FORM  
OCT 79 70A

DOCUMENT PROCESSING SHEET

**Best  
Available  
Copy**

**AD A076071**

USAFETAC/DS-79/075

**DATA PROCESSING DIVISION  
ETAC, USAF  
Air Weather Service (MATS)**

REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS

WILMINGTON OHIO/CLINTON CO AFB      WBAN# 13841  
N 39 26 W 83 48 ELEV 1072 FT KILN      WMO#

PARTS A-F  
POR FROM HOURLY OBS    AUG 43-JAN 46, MAR-JUN 46,  
SEP 46-SEP 49, MAR 53-NOV 58  
POR FROM DAILY OBS    AUG 43-JAN 46, MAR-JUN 46,  
SEP 46-SEP 49, MAR 53-NOV 57

AUG 12 1970

**FEDERAL BUILDING  
ASHEVILLE, N. C.**

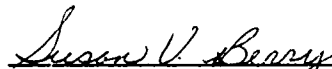
THIS DOCUMENT HAS BEEN APPROVED  
FOR PUBLIC RELEASE AND SALE, ITS DIS-  
TRIBUTION IS UNLIMITED.

79 10 26 101


Review and Approval Statement

This report is approved for public release. There is no objection to unlimited distribution of this report to the public at large, or by DDC to the National Technical Information Service (NTIS).

This technical report has been reviewed and is approved for publication.

  
SUSAN V. BERRY, 2 Lt, USAF  
Information Retrieval  
Manager

FOR THE COMMANDER

  
WALTER S. BURGMANN  
Scientific & Technical  
Information Officer



## **DISCLAIMER NOTICE**

**THIS DOCUMENT IS BEST QUALITY  
PRACTICABLE. THE COPY FURNISHED  
TO DDC CONTAINED A SIGNIFICANT  
NUMBER OF PAGES WHICH DO NOT  
REPRODUCE LEGIBLY.**

UNCLASSIFIED  
SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1 REPORT NUMBER USAFETAC/DS-79/075	2 GOVT ACCESSION NO.	3 RECIPIENT'S CATALOG NUMBER
4 TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- Clinton Co AFB, Wilmington, Ohio		5 TYPE OF REPORT & PERIOD COVERED Final rept.
7 AUTHOR(s)		6 PERFORMING ORG. REPORT NUMBER
9 PERFORMING ORGANIZATION NAME AND ADDRESS USAFETAC/OL-A Air Force Environmental Technical Appl. Center Scott AFB IL 62225		8 CONTRACT OR GRANT NUMBER(s)
11 CONTROLLING OFFICE NAME AND ADDRESS USAFETAC/CBD Air Weather Service (MAC) Scott AFB IL 62225		10 PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
14 MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		12 REPORT DATE 12 Aug 70
		13 NUMBER OF PAGES p.
		15 SECURITY CLASS. (of this report) UNCLASSIFIED
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
16 DISTRIBUTION STATEMENT (of this Report)  Approved for public release; distribution unlimited.		
17 DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18 SUPPLEMENTARY NOTES		
19 KEY WORDS (Continue on reverse side if necessary and identify by block number) *RUSSWO      Daily temperature      Atmospheric pressure Snowfall      Extreme snow depth      Extreme surface winds Climatology      Sea-level pressure      Psychrometric summary Surface Winds      Extreme temperature      Ceiling versus visibility Relative humidity      *Climatological data      (over)		
20 ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for Clinton Co AFB, Wilmington, Ohio It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)		

DD FORM 1 JAN 73 1473

UNCLASSIFIED

19. Percentge frequency of distribution tables  
Dry-bulb temperature versus wet-bulb temperature  
Cumulative percentage frequency of distribution tables

\* Ohio

\* Clinton Co AFB, OH

20. and dew-point temperatures and relative humidity); and (F) Pressure  
Summary (means, standard, deviations, and observation counts of  
station pressure and sea-level pressure). Data in this report are  
presented in tabular form, in most cases in percentage frequency of  
occurrence or cumulative percentage frequency of occurrence tables.

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

REVISED

UNIFORM SUMMARY

O.F.

SURFACE WEATHER OBSERVATIONS

STA NO. STATION NAME LATITUDE LONGITUDE ELEV. FT. STN. CALL SIGN WHO NO.  
12241 WILMINGTON OHIO/CLINTON CO APR N 39 26 W 082 48 1072 KLEN

PERIOD OF RECORD

FOR HOURLY OBSERVATIONS AUG 42-JAN 46-MAR-JUN 46-SEP 46-SEP 49-MAR 52-NOV 68

FOR DAILY OBSERVATIONS AUG 42-JAN 46-MAR-JUN 46-SEP 46-SEP 49-MAR 52-NOV 67

SUMMARIES

PART A WEATHER CONDITIONS  
ATMOSPHERIC PHENOMENA

PART B PRECIPITATION  
SNOWFALL  
SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY  
SKYCOVER

PART E DAILY MAX, MIN, AND MEAN TEMPERATURES  
EXTREME MAX AND MIN TEMPERATURES  
PSYCHROMETRIC DRY VS. WET BULB  
MEANS & STANDARD DRY BULB, WET BULB, AND DEW POINT  
RELATIVE HUMIDITY

PART F STATION PRESSURE  
SEA LEVEL PRESSURE

O 24-6 (J. 11)

FORM  
OCT 66

SPECIAL SUMMARY USAF ETAC

## PART A

## ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than  $5/8$  mile.

DATA PROCESSING DIVISION  
USAF STAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

13841 WILMINGTON OHIO/CLINTON CO AFB 46-49, 50-51  
STATION STATION NAME YEARS MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC CONDITIONS FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	2.1	26.3	4.1	35.5		66.4	51.7	59.9	7.4		75.1	424
FEB		3.0	36.6	3.3	32.2		55.7	34.2	56.4	1.7		75.7	35
MAR		7.8	35.3	2.7	25.6	.9	61.2	43.3	53.6	2.4		66.2	43
APR		15.6	46.7	.4	8.2	.2	39.1	39.3	31.0			34.1	43
MAY		21.4	41.5		.6	.6	54.1	39.3	33.5			57.4	473
JUN		25.3	32.6			.2	42.4	37.5	41.2			34.3	424
JUL		25.1	38.1			.5	44.1	43.9	51.6		.2	61.0	433
AUG		21.0	34.1			.3	39.0	55.1	63.7	.2		73.6	434
SEP		10.9	29.1	.2		.2	35.6	41.3	43.3			34.1	43
OCT		3.6	30.1		1.6		37.4	46.7	49.7			62.2	43
NOV		3.3	31.2	.2	16.7		51.4	49.7	49.2	2.1		35.3	443
DEC		.2	27.0	2.7	27.5		56.6	49.6	53.1	3.7		68.2	43
TOTALS		11.7	34.0	1.1	12.3	.3	51.3	46.1	49.9	2.3	.	63.6	3734

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

## PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION	DERIVED FROM DAILY OBSERVATIONS
SNOWFALL*	DERIVED FROM DAILY OBSERVATIONS
SNOW DEPTH	DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather	From beginning of record thru Jun 52	Snow depth at 0030 GCT
Bureau Stations	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

\* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,  
~~\_\_\_\_\_~~

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
PRECIPITATION  
(FROM DAILY OBSERVATIONS)

13841 WILMINGTON OHIO/CLINTON CO AFB 43-49, 53-61, 65-67

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01 0 4	0 5 1 4	1 5 2 4	2 5 3 4	3 5 4 4	4 5 6 4	6 5 10 4	10 5 15 4	15 5 25 4	25 5 50 4	OVER 50 4					
SNOW DEPTH	NONE	TRACE	1	2	3	4 6	7 12	13 24	25 36	37 48	49 60	61 120	OVER 120					
JAN	35.3	26.0	3.8	9.9	6.5	7.7	4.0	4.2	2.2	.2	.2			38.7	496	3.75	11.46	.93
FEB	35.6	21.7	3.8	9.9	6.6	8.0	6.4	5.7	2.4					42.7	424	3.31	5.53	.60
MAR	37.7	20.8	4.2	10.5	4.2	8.3	6.5	5.4	2.4					41.5	496	3.38	10.72	1.10
APR	40.0	16.5	4.1	8.2	4.1	10.6	6.9	5.9	3.7					43.5	510	4.26	8.67	2.13
MAY	43.9	12.9	1.9	4.9	4.5	9.7	8.8	7.7	2.6					40.2	465	4.61	10.13	1.65
JUN	56.3	8.4	2.9	6.1	3.9	7.8	7.5	4.7	2.2	.2				35.3	510	3.39	6.91	.89
JUL	56.5	10.9	2.0	5.4	5.2	5.6	5.6	5.8	2.4	.4				32.7	496	4.04	9.96	.84
AUG	61.5	13.5	2.3	3.4	3.6	5.3	4.7	3.8	1.9					25.0	527	2.65	5.57	.55
SEP	62.8	13.9	.7	3.7	2.8	5.4	3.7	5.0	1.9	.2				23.3	540	2.75	7.31	.37
OCT	63.4	9.5	2.1	5.1	3.8	5.3	7.0	2.8	.9					27.1	527	2.22	3.90	.39
NOV	48.0	16.1	1.6	9.4	4.5	6.9	6.5	5.1	2.0					35.9	510	3.08	5.60	.75
DEC	41.5	21.8	4.8	9.1	5.0	6.7	5.4	3.6	2.0					36.7	496	2.83	6.96	.55
ANNUAL	48.5	16.2	2.8	7.1	4.6	7.3	6.1	5.0	2.2	.1	.0			35.2	5997	40.47		



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION  
(FROM DAILY OBSERVATIONS)

13841 WILMINGTON OHIO/CLINTON CO AFB 43-49, 53-67

STATION

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB.	MAR.	APR	MAY	JUN	JUL	AUG	SEP	OCT.	NOV	DEC	ALL MONTHS
43								1.07	1.17	.32	.53	.43	
44	.62	1.57	1.49	1.66	1.28	.40	.31	1.74	.47	.34	.58	1.20	1.74
45	.23	1.70	2.45	1.31	1.37	1.10	.98	1.05	.79	1.02	.98	1.39	2.45
46	10.00			.69	1.14	1.19			.61	.52	1.47	.87	
47	1.59	.16	.53	1.33	1.35	1.07	.80	2.11	1.31	.87	.86	.61	2.11
48	.65	1.38	.76	1.54	.57	.79	1.75	.74	.91	1.10	1.60	1.66	1.75
49	2.44	1.07	1.48	.67	.36	1.75	.69	.90		1.11			
50			1.01	.77	.92	1.41	1.67	.82	.22	.62	1.28	.75	
51	.75	3.09	.89	1.20	.80	.72	3.84	1.03	.96	.96	.29	.80	3.84
52	.40	.87	1.29	1.05	.72	.68	1.39	.82	1.35	1.06	1.14	.35	1.39
53	.56	.82	1.09	1.23	.75	.78	1.48	1.14	1.60	.38	1.09	1.20	1.60
54	1.03	1.87	.32	1.74	2.16	2.62	2.58	.68	1.82	1.71	1.82	1.27	2.62
55	.71	.63	.61	1.17	1.74	1.48	1.86	2.22	1.67	.43	.97	.89	2.22
56	2.87	.61	.59	.92	1.97	1.34	1.86	.68	1.24	1.28	.77	1.54	2.87
57	1.30	1.13	.24	.68	1.89	1.22	.75	.37	.59	.89	1.16	1.16	1.89
58	.61	2.11	.90	1.79									
59													
60													
61													
62													
63													
64													
65						.82	1.28	.62	3.14	.85	.68	.68	
66	1.37	.68	.53	1.04	1.06	.77	.78	1.86	.84	.94	1.22	1.11	
67	.32	.91	1.01	1.49	1.06	.69	1.00	.20	.97	.79	.82		
68													
69													
70													
71													
72													
73													
74													
75													
76													
77													
78													
79													
80													
81													
82													
83													
84													
85													
86													
87													
88													
89													
90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
00													
MEAN	1.55	1.09	.96	1.14	1.21	1.10	1.47	1.03	1.14	.80	1.01	.96	2.24
S. D.	2.362	.547	.593	.274	.541	.597	.852	.611	.674	.378	.411	.415	.679
TOTAL OBS.	496	484	496	510	465	510	496	527	540	527	510	496	5997

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## EXTREME VALUES

PRECIPITATION  
(FROM DAILY OBSERVATIONS)

12841 STATION WILMINGTON OHIO/CLINTON CO AP2 STATION NAME 49-497 59-07 YEARS

24 HOUR AMOUNTS IN INCHES  
/BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG.	SEP	OCT	NOV	DEC	ALL MONTHS
49			.85										PRECIP DAYS
61			16		1.75	0	0	0	0	0	0	0	PRECIP DAYS
62					25	0	0	0	0	.41	.78	0	PRECIP DAYS
63	0	0	0	0	0	0	0	0	0	0	27	0	PRECIP DAYS
64	0	0	0	0	0	0	0	0	0	0	.01	.17	PRECIP DAYS
65	0	.05	0	0	.01	.01	0	0	0	0	0	0	PRECIP DAYS
66	0	0	0	0	.06	1	0	0	0	0	0	0	PRECIP DAYS
					14								PRECIP DAYS
					.52								PRECIP DAYS
					20								PRECIP DAYS
MEAN													
S D													
TOTAL OBS													

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOWFALL  
(FROM DAILY OBSERVATIONS)

13841 WILMINGTON OHIO/CLINTON CO AFB 46-49, 53-61, 65-67

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	56.5	23.0	8.8	6.7	2.3	1.4	.5	.9						20.5	434	7.1	16.0	2.1
FEB	61.2	18.3	9.0	6.0	2.5	1.1	1.1	.3	.5					20.4	367	6.9	15.4	.3
MAR	70.7	14.7	6.2	3.1	2.1	.5		.5	.2					14.5	434	4.6	10.4	.6
APR	92.6	5.0	1.9	.5										2.4	420	.3	2.0	.0
MAY	99.4	.6													463	TRACE	TRACE	.0
JUN	99.8	.2													450	TRACE	TRACE	.0
JUL	99.6	.2													434	TRACE	TRACE	.0
AUG	100.0														434	.0	.0	.0
SEP	99.6	.2													450	TRACE	TRACE	.0
OCT	98.4	1.4		.2										.2	434	.1	1.3	.0
NOV	82.1	10.0	3.6	2.9	.3	.5	.2		.2					7.9	420	2.7	10.3	.0
DEC	67.5	17.6	5.7	3.2	2.2	.7		1.0						14.9	403	4.8	13.8	1.4
ANNUAL	85.7	7.6	2.9	2.2	.8	.3	.1	.2	.1					6.7	5145	26.5		

## EXTREME VALUES

**SNOWFALL**  
(FROM DAILY OBSERVATIONS)

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

46-49<sup>u</sup> 53-67

YEARS

24 HOUR AMOUNTS IN INCHES

[illegible]

## EXTREME VALUES

13841      WILMINGTON OHIO/CLINTON CO AFB  
STATION      STATION NAME

44-49, 53-57

**YEARS**

[illegible]

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

13841 WILMINGTON OHIO/CLINTON CO AFB 43-49, 53-67

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	44.8	19.7	8.7	10.2	5.7	8.5	2.3							35.5	527			
FEB	50.7	18.6	10.2	8.4	4.6	4.9	2.7							30.8	452			
MAR	76.3	8.7	5.9	2.8	2.3	3.6	.4							15.0	527			
APR	97.9	1.6	.4	.2										.5	570			
MAY	100.0														527			
JUN	100.0														570			
JUL	100.0														527			
AUG	100.0														558			
SEP	100.0														570			
OCT	100.0														558			
NOV	92.8	2.0	2.0	1.9	.6	.4	.4							5.2	540			
DEC	56.2	12.7	11.2	6.5	3.6	6.1	3.8							31.1	527			
ANNUAL	84.9	5.3	3.2	2.5	1.4	2.0	.8							9.8	6453			

DATA PROCESSING DIVISION  
USAF ETAC  
AFR WEATHER SERVICE/MAC

# EXTREME VALUES

SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

1941 STATION WILMINGTON OHIO/CLINTON CO AFB 43-49, 55-07 YEARS

## DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG.	SEP	OCT.	NOV	DEC	ALL MONTHS
43								0	0	0			
44	3	3	1	TRACE	0	0	0	0	0	0	1	10	10
45	6	4	0	0	0	0	0	0	0	0	0	8	8
46	3				0	0	0	0	0	0	0	5	
47	2	4	3	0	0	0	0	0	0	0	TRACE	2	4
48	8	10	1	0	0	0	0	0	0	0	0	2	10
49	4	3	2	TRACE	0	0	0	0	0	0			
50			2	2	0	0	0	0	0	0	2	8	
51	2	1	3	TRACE	0	0	0	0	0	0	TRACE	2	5
52	2	2	2	0	0	0	0	0	0	0	3	1	3
53	8	TRACE	6	1	0	0	0	0	0	0	2	1	8
54	4	1	1	TRACE	0	0	0	0	0	0	0	7	7
55	2	2	3	0	0	0	0	0	0	0	10	8	10
56	4	TRACE	0	0	0	0	0	0	0	0	2	1	6
57	4	3	9	0	0	0	0	0	0	0	0	9	9
58	9	3	1	1	0								
59			1	0	0	0	0	0	0	0	0	3	
60	5	7	1	0	0	0	0	0	0	0	0	5	7
61				0		0	0	0	0	0	0	1	
62						0	0	0	0	0	0		
63	6	9	2	0		0	0	0	0	0	0	4	
64	2	7	8	0	0	0	0	0	0	0	3		
65													
66													
67													
68													
69													
70													
71													
72													
73													
74													
75													
76													
77													
78													
79													
80													
81													
82													
83													
84													
85													
86													
87													
88													
89													
90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
00													
MEAN	4.8	3.8	3.1	2.2	1.0	1.0	1.0	1.0	1.0	1.0	1.5	4.5	7.3
S D	2.294	3.060	2.690	1.888	.000	.000	.000	.000	.000	.000	2.350	3.204	2.379
TOTAL OBS	527	482	527	570	527	570	527	558	570	558	540	527	6453

## EXTREME VALUES

**SNOW DEPTH**  
(FROM DAILY OBSERVATIONS)

53841	WILMINGTON OHIO/CLINTON CO ARB	43-495 93-407
STATION	STATION NAME	

DAILY SNOW DEPTH IN INCHES  
/BASED ON LESS THAN FULL MONTHS/

[illegible]



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# EXTREME VALUES

SURFACE WINDS  
(FROM DAILY OBSERVATIONS)

19841 WILMINGTON OHIO/CLINTON CO AFB 46-49 62-67

STATION

STATION NAME

YEARS

## DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
43													
44													
45													
46												NW 38	
47	NW 46NW 40WNW 43W 58SSW 50N 31E 38SW 43SSW 38S 30W 44SW 40 W 58												
48	SE 47WSW 44SSW 58SSW 43WSW 46S 52WSW 39S 34SSW 27W 31W 43S 40 SSW 53												
49	SW 30SW 39SSW 41WSW 49S 47SE 47W 36SSW 37												
50													
51													
52													
53													
54													
55													
56													
57													
58													
59													
60													
61													
62													
63	SSW 28SW 22SW 40W 37W 20WNW 35SSE 24WSW 34NW 33 N 32WNW 123												
64	66/ 3466/ 2366/ 4766/ 6166/ 3478/ 4933/ 3166/ 2777/ 2877/ 3177/ 3484/ 35 66/ 47												
65	77/ 3866/ 3833/ 3977/ 4876/ 3418/ 3132/ 2976/ 3276/ 4877/ 3877/ 4866/ 35 76/ 54												
66	78/ 3012/ 2877/ 3878/ 4268/ 3877/ 3077/ 4818/ 4036/ 3876/ 3411/ 4853/ 34 77/ 45												
67	53/ 3877/ 4418/ 3277/ 3877/ 4276/ 3218/ 3412/ 3368/ 2853/ 3477/ 32												
68													
69													
70													
71													
72													
73													
74													
75													
76													
77													
78													
79													
80													
81													
82													
83													
84													
85													
86													
87													
88													
89													
90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
00													
MEAN	38.9	36.4	41.0	44.1	42.4	37.9	32.2	38.0	31.9	32.7	27.5	25.6	31.8
S D	8.122	7.402	6.948	6.400	6.681	6.785	7.151	6.000	7.081	2.338	6.990	3.803	5.541
TOTAL OBS	244	220	242	238	241	240	242	244	202	183	238	242	2779

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## EXTREME VALUES

SURFACE WINDS  
(FROM DAILY OBSERVATIONS)

19841 WILMINGTON OHIO/CLINTON CO AFB 46-497 62-07

STATION

STATIC NAME

YEARS

DAILY PEAK GUSTS IN KNOTS  
/BASED ON LESS THAN 90% OBSERVATIONS FOR MONTH/

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG.	SEP	OCT	NOV	DEC	ALL MONTHS
46	W 41												WINDS DAYS
47	23		0	0	0	0			0	0	0		WINDS DAYS
48									W 32				WINDS DAYS
49									26				WINDS DAYS
50			0	0	0	0	0	0	0	0	0	0	WINDS DAYS
51	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
52	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
53	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
54	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
55	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
56	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
57	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
58	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
59	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
60	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
61	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
62	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
63	0	0	0	0	0	0	0	0	N 19W 27				WINDS DAYS
									8 25				WINDS DAYS
									SW 23				WINDS DAYS
									27				WINDS DAYS
MEAN													
S D													
TOTAL OBS.													

DATA PROCESSING DIVISION  
DATA PROCESSING DIVISION  
USAF ETAC

AIR WEATHER SERVICE/MAC  
19841 WILMINGTON OHIO/CLINTON CO AFB

43-49 52-67

# DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
100						2	2	2					0
95						12	22	28					6
90						44	80	92					47
85				6	7	80	92	98	21	2			19
80			2	4	21	64	80	92	86				25
75			5	9	41	82	96	98	77				35
70		2	7	29	99	92	98	98	87	3			43
65	1	2	16	43	75	97	100	99	88	12			50
60	3	6	26	88	88	98		97	70	24			57
55	7	14	38	72	93	100		99	54	39			64
50	14	23	47	84	97			99	39	80			70
45	23	33	59	92	99			100	97	69			76
40	35	48	73	98	99				99	80			82
35	52	65	85	99	100				100	91			88
30	72	81	96	100						97			94
25	85	90	98							99			97
20	93	95	100							99			98
15	97	98								100			99
10	99	100											100
5	99												100
0	100												100
MEAN	36.2	40.1	49.3	62.0	71.2	81.2	84.4	83.7	77.1	58.3	50.7	39.5	61.7
S.D.	11.6	12.2	13.2	11.4	9.8	7.4	5.7	6.2	8.6	10.3	11.4	11.5	19.7
TOTAL OBS	496	426	513	511	533	511	497	527	548	552	539	497	6126

DATA PROCESSING DIVISION  
USAF ETAC

AIR WEATHER SERVICE/MAC

19841 WILMINGTON OHIO/CLINTON CO AFB

STATION

STATION NAME

52-495 53-57

YEAR

# DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
75													0
70													3.8
65													13.5
60													23.2
55													28.2
50													42.1
45													49.7
40													57.3
35													66.4
30													69.9
25													76.3
20													84.6
15													90.8
10													94.5
5													96.7
0													98.2
-5													99.2
-10													99.9
-15													100.0
-20													100.0
-25													100.0
-30													100.0
-35													100.0
-40													100.0
-45													100.0
-50													100.0
-55													100.0
-60													100.0
-65													100.0
-70													100.0
-75													100.0
-80													100.0
-85													100.0
-90													100.0
-95													100.0
-100													100.0
MEAN	21.1	26.1	31.6	42.1	51.0	60.6	64.2	69.1	55.5	44.4	33.9	24.7	42.0
S D	11.798	11.100	11.006	9.704	8.478	6.902	5.337	5.830	8.239	8.720	9.782	11.388	17.643
TOTAL OBS	496	486	513	511	538	511	497	527	542	532	539	497	6126

# DAILY TEMPERATURES

DATA PROCESSING DIVISION

USAF ETAC

AIR WEATHER SERVICE/HAC

13841 WILMINGTON OHIO/CLINTON CO AFB

43-49, 53-67

YEARS

STATION

STATION NAME

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
95						8.6	14.7	13.7	2.6				1.1
90						34.2	52.8	40.1	18.9	1.1			15.2
85						62.4	84.1	77.8	36.9	3.6			24.2
80						81.6	96.6	93.2	80.7	10.0			35.9
75			1.8	2.9	35.1	95.7	100.0	99.8	80.8	32.1	5.8		43.2
70		1.4	1.2	5.8	27.2	95.6	100.0	100.0	92.6	50.2	13.0	1.4	50.2
65	1.0	1.9	12.3	40.3	78.1	98.2			92.6	70.3	23.2	6.4	57.6
60	3.2	3.6	23.0	56.8	99.5	100.0			100.0	89.5	40.8	19.5	65.5
55	7.7	13.1	35.9	75.0	95.9				100.0	97.6	60.5	29.9	73.3
50	16.9	28.5	51.3	89.8	95.7					99.6	77.0	40.2	80.5
45	29.6	42.3	67.6	97.7	100.0						91.5	78.1	87.3
40	46.6	61.0	81.9	99.4						100.0	97.8	93.0	93.0
35	66.7	76.3	92.4	100.0							97.8	96.2	96.2
30	79.6	97.8	97.3								99.8	98.4	98.0
25	88.9	93.0	98.0									97.6	99.2
20	93.4	96.9	100.0										99.8
15	98.6	99.5									100.0		100.0
10	99.8	100.0										100.0	100.0
5	100.0												100.0
0													
-5													
-10													
-15													
-20													
-25													
-30													
-35													
-40													
-45													
-50													
-55													
-60													
-65													
-70													
-75													
-80													
-85													
-90													
-95													
-100													
MEAN	28.8	32.2	40.3	52.1	61.2	71.0	74.5	73.3	66.4	55.0	42.4	32.1	52.3
S D	11.206	11.232	11.378	9.843	8.774	6.882	4.892	5.637	7.187	8.615	9.927	10.928	10.485
TOTAL OBS	496	426	513	511	533	511	497	527	542	532	539	497	6126

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# EXTREME VALUES

MAXIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

13641  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

43-49 33-67  
YEARS

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
43								92	94	82	71	58	
44	63	59	73	76	89	100	99	96	93	81	74	53	100
45	59	69	81	81	82	92	93	94	92	77	73	52	94
46	68			82	81	90			91	87	77	65	
47	65	53	67	80	82	90	89	94	89	86	62	59	94
48	59	66	77	86	84	93	54	101	90	76	68	64	101
49	64	68	73	77	89	92	93	93	84				
50			72	79	88	95	96	97	96	88	70	63	
51	57	71	68	87	87	96	101	90	98	86	71	58	101
52	59	64	70	79	84	88	94	93	97	78	74	59	97
53	53	53	71	80	86	92	94	93	87	81	73	69	94
54	53	68	70	82	86	92	93	92	92	75	64	59	93
55	49	62	53	80	82	88	88	87	87	77	77	56	88
56	65	64	73	79	87	91	91	92	90	87	79	63	92
57	64	56	72	83	83	86	88	89	93	80	69	64	93
58	54	68	70	79									
59													
60													
61													
62													
63													
64													
65													
66	55	58	74	73		92	97	93	87	79	69	62	
67	67	60	76	80	87	92	93	88	89	76	67	66	
68													
69													
70													
71													
72													
73													
74													
75													
76													
77													
78													
79													
80													
81													
82													
83													
84													
85													
86													
87													
88													
89													
90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
100													
MEAN	55.7	63.7	71.5	82.2	85.1	91.9	93.8	92.3	90.8	81.1	70.5	60.6	93.2
S.D.	7.557	5.192	5.633	2.911	2.722	3.249	3.812	3.876	3.939	4.386	4.543	4.689	4.119
TOTAL OSS.	486	424	494	510	468	510	496	527	540	527	510	496	5997

## EXTREME VALUES

~~12841~~  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

48-49-50-51-52-53-54-55-56-57

YEARS

WHOLE DEGREES FAHRENHEIT  
/BASED ON LESS THAN FULL MONTHS/

[illegible]

USAF ETAC FORM 0 28 5 (OLI)

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# EXTREME VALUES

MINIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

19841  
STATION

WILMINGTON OHIO/CLINTON CO. APB  
STATION NAME

43-49.53-67  
YEARS

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
43								46	37	32	18	1	
44	-8	-2	8	21	35	46	49	50	41	28	21	5	-2
45	-2	-7	25	26	30	42	49	47	47	31	20	-5	-7
46	1			28	37	44			39	32	20	10	
47	2	-4	18	29	28	46	47	54	34	34	12	10	-4
48	-9	-1	8	29	35	44	52	45	42	25	26	8	-9
49	3	0	14	28	36	47	58	52	34				
50			15	23	45	44	51	50	40	29	19	-2	
51	4	13	13	21	30	40	54	49	44	27	20	9	-4
52	-5	-1	10	25	37	48	62	56	44	29	7	3	-5
53	6	17	12	28	35	46	57	51	39	33	5	14	3
54	-5	15	14	22	30	53	57	51	38	30	18	5	-8
55	1	-8	20	29	39	47	60	50	45	34	-4	-5	-8
56	-7	3	15	29	34	48	56	56	40	30	12	18	-7
57	7	10	-4	24	35	51	55	57	46	25	22	-6	-6
58	-9	5	22	22									
59													
60													
61													
62													
63													
64													
65						50	7	41	38	26	21	18	
66	-10	5	18	27		42	4	52	42	29	20	4	
67	4	-8	6	28	35	52	10	50	37	29	19		
68													
69													
70													
71													
72													
73													
74													
75													
76													
77													
78													
79													
80													
81													
82													
83													
84													
85													
86													
87													
88													
89													
90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
00													
MEAN	-4.8	3.5	13.5	25.8	34.8	46.5	54.1	50.6	40.4	29.7	16.2	5.4	23.8
S D	5.094	5.872	7.005	8.046	4.229	2.642	4.225	3.926	3.854	3.037	7.538	7.668	4.423
TOTAL OBS	496	424	494	510	463	510	456	527	540	527	510	496	5997



## EXTREME VALUES

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

43-49, 53-67

YEARS

[illegible]

STATION NO. OR SUMMARY	STATION NAME	LATITUDE	LONGITUDE	STATION ELEVATION	CALL SIGN	WIND NUMBER
13941	WILMINGTON OHIO/CLINTON CO AFB	N 39 26	W 83 48	1072	WTN	

## STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL	
			FROM	TO			STATION (FT)	TYPE BAROMETER
1	Clinton County Army Air Fld	AAF	Aug 43	Jun 48	N 39 26	W 83 48	1055	Mercurial
2	Clinton County AFB	A	Jul 48	Sep 49	No Change	No Change	No Change	No Change
2	No Change	A	Mar 53	May 61	No Change	No Change	1072	No Change
2	No Change	A	Jun 61	May 65	No Change	No Change	No Change	No Change
2	No Change	A	Jun 65	Jun 68	No Change	No Change	No Change	No Change
2	No Change	A	Jul 68	Nov 68	No Change	No Change	No Change	No Change

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Aug 43 to Jun 48	Not Available	Anemometer	N/A	N/A	
1	Jul 48 to Apr 53	Not Available	No Change	N/A	N/A	
2	May 53 to Feb 55	Located on S side of Operations Bldg.	AN/CWK-12	N/A	21 Ft	
3	Mar 55 to Feb 57	Located approx. 500 ft SW of Oper. Bldg	No Change	N/A	12 Ft	

USAF FTAC 13941 APR 58 0 19 (OL-1)

CONTINUED ON REVERSE SIDE

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
4	Mar 57 to Feb 60	Located on top of Control Tower, approx. 100 ft NE of Operations Bldg.	AN/GMQ-1A	N/A	90 Ft	
4	Mar 60 to Aug 62	Located on top of Control Tower Cab.	No Change	N/A	75 Ft	
5	Sep 62 to Feb 63	Located 1700 ft on 320 degrees from Weather Station.	T-420/GMQ-11	KO-2	13 Ft	
6	Mar 63 to Nov 68	Located 2800 ft NW of Weather Station.	No Change	No Change	No Change	

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

# Revised UNIFORM SUMMARY of SURFACE WEATHER OBSERVATIONS

## DESCRIPTION OF SUMMARIES:

Preceding each section is a brief description of the data comprising each part of the revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

HOURLY OBSERVATIONS are defined as those record or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

STANDARD 3-HOUR GROUPS All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY \_\_\_\_\_  
FEBRUARY \_\_\_\_\_  
MARCH \_\_\_\_\_

APRIL \_\_\_\_\_  
MAY \_\_\_\_\_  
JUNE \_\_\_\_\_

JULY \_\_\_\_\_  
AUGUST \_\_\_\_\_  
SEPTEMBER \_\_\_\_\_

OCTOBER \_\_\_\_\_  
NOVEMBER \_\_\_\_\_  
DECEMBER \_\_\_\_\_

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

A

## PART A

## WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sum of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WEAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# WEATHER CONDITIONS

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-49,54-68

YEARS

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	00-02	.2	9.8	.7	11.3		21.8	20.3	19.9	1.1		27.7	1671
	03-05	.1	10.6	1.1	11.3		22.8	24.4	18.8	1.5		40.4	1576
	06-08	.1	9.9	.9	14.1		24.7	27.4	23.1	1.8		48.4	1670
	09-11	.1	9.1	.7	14.6		24.0	26.7	28.6	1.6		51.4	1873
	12-14	.1	7.7	.5	11.6		19.5	19.2	23.3	2.2	.1	43.8	1881
	15-17	.1	9.0	.2	10.7		19.6	18.0	23.2	2.4		40.2	1935
	18-20		8.2	.6	8.2		16.8	18.9	23.2	.8		40.0	1937
	21-23	.1	8.1	.8	8.9		17.6	17.7	20.4	.9		25.9	1930
TOTALS		.1	9.0	.7	11.3		20.7	21.4	23.1	1.5	.0	42.2	14473

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, NC, 28801

## WEATHER CONDITIONS

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-45, 47-49, 54-68  
YEARS

FEB  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
FEB	00-02	.3	9.7	.3	9.0		18.7	14.7	16.0	1.7		31.7	1448
	03-05	.3	9.5	.5	9.5		19.4	16.5	15.6	1.5		32.9	1365
	06-08	.1	10.2	1.1	11.2		22.4	24.0	21.3	1.6	.1	43.6	1448
	09-11		8.8	.9	13.0		22.6	23.3	25.8	2.3		47.4	1630
	12-14		9.8	.2	10.4		20.2	17.6	23.4	2.3		40.7	1638
	15-17		10.2	.5	10.4		20.8	16.1	20.4	2.1		36.2	1686
	18-20		9.2	.2	9.5		18.9	16.3	19.9	1.1		35.9	1686
	21-23	.1	10.2	.4	9.5		19.8	14.8	16.8	1.5		32.1	1678
TOTALS		.1	9.7	.5	10.3		20.4	17.9	20.0	1.8	.0	37.6	12579



### WEATHER CONDITIONS

MAR  
MONTH

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAR	00-02	1.5	9.8	1.3	8.1		17.9	13.1	11.0	1.5		24.6	1722
	03-05	1.4	9.8	1.8	7.3		17.7	13.2	12.6	1.4		28.0	1630
	06-08	1.4	10.1	1.6	8.1		18.5	22.3	20.6	1.1	1.1	41.7	1723
	09-11	1.5	11.0	1.5	8.5		19.7	19.2	22.1	1.5	1.2	39.8	1925
	12-14	1.6	10.3	1.2	7.5		17.8	12.8	19.2	1.1	1.2	32.0	1935
	15-17	1.5	9.9	1.1	6.6	1.1	16.4	11.2	17.0	1.3	1.2	28.5	1988
	18-20	1.5	10.1		5.5		15.5	12.1	16.4	1.2	1.1	28.4	1988
	21-23	1.9	10.9	1.2	5.5		16.4	12.1	13.2	1.0		25.2	1979
TOTALS		1.5	10.3	1.3	7.1	1.0	17.5	14.6	16.6	1.2	1.1	31.0	14890

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

## WEATHER CONDITIONS

12241  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-49, 53-68  
YEARS

APR  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
APR	00-02	1.6	11.6		1.1		12.5	9.6	7.2			16.3	1712
	03-05	1.4	12.0		1.7		13.6	11.6	8.3			19.3	1623
	06-08	1.3	12.7	.1	1.6		14.3	20.2	16.6			34.4	1712
	09-11	.8	12.5	.1	1.9		14.4	11.9	14.5			25.4	1908
	12-14	.8	11.6	.2	1.8		13.4	8.6	10.0		.1	18.2	1917
	15-17	1.2	11.6	.2	1.3		12.9	6.8	9.4		.1	15.8	1964
	18-20	1.6	11.6		.7		12.3	7.0	10.7			16.9	1965
	21-23	1.3	12.0		.7		12.6	8.5	8.2			16.3	1955
TOTALS		1.2	11.9	.1	1.3		13.2	10.4	10.6		.0	20.2	14756

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

## WEATHER CONDITIONS

12841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-49,53-68

YEARS

MAY  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L S F)	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAY	00-02	1.9	10.9				10.9	11.1	6.0		1.1	10.3	1782
	03-05	1.9	11.1				11.1	19.6	6.6			25.0	1697
	06-08	1.6	12.3		1.1		12.3	20.7	11.9			30.5	1782
	09-11	1.7	8.9		1.1		9.0	9.5	9.2			17.6	1965
	12-14	1.0	8.9				8.5	5.4	7.7			12.4	1573
	15-17	1.9	10.0				10.0	3.8	8.1			11.3	2032
	18-20	2.6	8.3				8.3	4.7	8.7		1.0	12.8	2029
	21-23	1.5	8.8				8.8	5.7	7.9		1.1	12.9	2021
TOTALS		1.6	9.8		0.0		9.8	9.7	8.2		1.0	17.0	15281

## WEATHER CONDITIONS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUN	00-02	1.4	4.8				4.8	7.6	10.7			17.7	1681
	03-05	1.9	6.9				6.9	18.0	12.7			28.3	1620
	06-08	.9	3.6				3.6	17.7	17.0			31.0	1679
	09-11	.9	3.2				3.2	3.1	14.3			19.4	1832
	12-14	1.6	3.2				3.2	2.2	10.8			12.8	1857
	15-17	4.3	6.6				6.6	1.9	11.0			12.6	1937
	18-20	4.4	6.3				6.3	2.0	13.0			14.8	1953
	21-23	3.7	6.4				6.4	3.7	13.4			16.8	1937
TOTALS		2.3	3.9				3.9	6.9	12.9			18.8	14496

DATA PROCESSING DIVISION  
 ETAC, USAF  
 ASHBVILLE, N. C. 28801

# WEATHER CONDITIONS

12841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-45, 47-49, 53-68  
YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS EST	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OP DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUL	00-02	2.0	3.9				3.9	8.3	14.0			21.5	1575
	03-05	2.4	5.4				5.4	20.7	15.9			34.2	1516
	06-08	1.5	6.0				6.0	22.6	22.6			40.9	1656
	09-11	1.4	5.5				5.5	6.4	20.3			25.7	1839
	12-14	2.4	6.2				6.2	2.4	15.5			17.6	1874
	15-17	3.7	6.8				6.5	1.8	13.7			15.2	1931
	18-20	3.3	5.3				5.3	2.2	17.0			18.9	1932
	21-23	2.9	4.2				4.2	4.4	16.4			19.7	1914
TOTALS		2.4	5.4				5.4	8.0	16.9			23.7	14257

### WEATHER CONDITIONS

AUG  
MONTH

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR S. EET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND-OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
AUG	00=02	1.9	3.3				3.3	10.7	23.2			32.2	1643
	03=05	1.1	4.3				4.3	23.2	24.4	<del>7.1</del>		44.6	1580
	06=08	1.0	4.5				4.5	33.2	33.6			37.5	1737
	09=11	1.6	4.0				4.0	7.7	29.5			34.8	1929
	12=14	1.4	3.7				3.7	1.5	22.4			23.2	1941
	15=17	2.6	4.5				4.5	1.4	21.2		1.0	22.5	2028
	18=20	3.0	4.2				4.2	2.2	24.8			27.0	1979
	21=23	1.1	3.0				3.0	6.3	22.1			27.2	1966
TOTALS		1.5	4.0				4.0	10.2	25.0	<del>7.1</del>	1.0	33.0	14803

DATA PROCESSING DIVISION  
ETAC, USAF  
ASREVILLE, D, C, 20801

# WEATHER CONDITIONS

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

43-48, 53-68  
YEARS

SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS EST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH W/C/H	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
SEP	00-02	1.2	5.7				5.7	11.4	12.7			23.2	1688
	03-05	1.0	6.6				6.6	18.6	13.0			29.8	1527
	06-08	1.6	7.5				7.5	27.8	20.7			42.9	1744
	09-11	1.6	6.3				6.3	3.4	22.3			28.9	1927
	12-14	1.7	5.7				5.7	4.1	14.7			18.3	1947
	15-17	1.2	5.1				5.6	3.5	11.9			15.0	2046
	18-20	1.2	4.8				4.8	4.3	14.1		1.1	17.8	2045
	21-23	1.9	4.7				4.7	6.4	12.3		1.0	14.3	2028
TOTALS		9	5.8				5.8	10.0	15.2		1.0	23.7	15032

DATA PROCESSING DIVISION  
ETAC, USAP  
ASHEVILLE, N. C. 28801

# WEATHER CONDITIONS

12841  
STATION

WILMINGTON OHIO/CLINTON CL AFB  
STATION NAME

43-48,53-68

YEARS

OCT  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
OCT	00-02	.1	6.2		.4		6.7	13.0	13.1			25.5	1658
	03-05	.2	7.4		.3		7.9	17.7	13.1			30.0	1596
	06-08	.1	8.6		.4		9.0	27.1	21.7			44.1	1717
	09-11		7.6		.5		8.0	13.7	21.5			32.7	1909
	12-14	.1	6.9		.7		7.5	6.3	14.4			20.4	1926
	15-17	.5	8.1		.3		8.3	6.0	11.5			17.4	2018
	18-20	.3	6.9		.2		7.2	7.2	14.2			21.0	2019
	21-23	.3	5.9		.1		6.1	8.3	12.7			20.5	2003
TOTALS		.2	7.2		.4		7.5	11.9	15.2			26.0	14846



## WEATHER CONDITIONS

13841

WILMINGTON OHIO/CLINTON CO AFB

43-48, 53-68

NOV  
MONIA

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
NOV	00-02	12	9,3		3,6		13,0	13,4	14,3	1,3		26,3	1678
	03-05	12	1,4		3,8		13,0	16,6	14,8	1,4		20,2	1617
	06-08	13	11,5	11	4,7		16,2	23,9	23,1	1,4		41,9	1708
	09-11	12	9,9	11	5,9		15,6	17,6	25,3	1,3		39,8	1908
	12-14	11	9,2		4,9		13,9	10,0	18,8	1,3		27,6	1917
	15-17	12	9,9		3,9		13,6	10,2	17,2	1,3		26,6	1968
	18-20	13	9,7	11	3,8		13,3	11,3	15,6	1,4		26,3	1968
	21-23	12	8,0	12	4,3		12,6	10,7	14,2	1,2		23,9	1939
TOTALS		12	9,6	10	4,4		13,9	14,0	18,1	1,3		30,2	14723

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# WEATHER CONDITIONS

12841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

43-48, 53-67

YEARS

DEC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
DEC	00-02		9.3	1.8	8.2		18.1	16.7	18.0	1.9		34.1	1675
	03-05		9.6	1.9	8.3		18.4	18.9	18.8	1.6		36.1	1583
	06-08		9.4	1.0	8.6		18.3	24.7	23.4	1.5		46.2	1675
	09-11	1.1	10.6	1.9	11.2		22.3	23.2	26.8	1.4		48.9	1876
	12-14		9.5	1.5	10.3		20.0	17.2	24.1	1.3	1.1	40.8	1886
	15-17		7.9	1.6	9.5		17.9	15.3	23.1	1.7	1.1	37.4	1938
	18-20		8.8	1.3	9.0		18.2	17.0	22.8	1.6		38.6	1938
	21-23		9.1	1.5	8.7		18.0	17.1	19.1	1.7		35.3	1927
TOTALS		.0	9.2	.7	9.3		18.9	18.9	22.3	.9	.0	39.7	14498

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# WEATHER CONDITIONS

13841  
STATION

WILMINGTON OHIO/CLINTON CU AFB  
STATION NAME

43-49,53-68

YEARS

ALL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	ALL	.1	9.0	.7	11.3		20.7	21.4	23.1	1.5	.0	42.2	14473
FEB		.1	9.7	.5	10.3		20.4	17.9	20.0	1.8	.0	37.6	12579
MAR		.5	10.3	.3	7.1	.0	17.5	14.6	16.6	1.2	.1	31.0	14890
APR		1.2	11.9	.1	1.3		13.2	10.4	10.6		.0	20.2	14756
MAY		1.6	9.8		.0		9.8	9.7	8.3		.0	17.0	15281
JUN		2.3	5.9				5.9	6.9	12.9			18.8	14496
JUL		2.4	5.4				5.4	8.0	16.9			23.7	14257
AUG		1.5	4.0				4.0	10.2	25.0		.0	33.0	14803
SEP		.9	5.8				5.8	10.0	15.2		.0	23.7	15052
OCT		.2	7.2		.4		7.5	11.9	15.2			26.0	14846
NOV		.2	9.6	.0	4.4		13.9	14.0	18.1	.3		30.2	14723
DEC		.0	9.2	.7	9.3		18.9	18.9	22.3	.9	.0	39.7	14498
TOTALS		.9	8.1	.2	3.6	.0	11.8	12.7	16.9	.5	.0	28.4	174654

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

## PART C

## SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

DATE: 1/1/68  
 US: 87  
 AL: 1/1/68

# EXTREME VALUES

STATION OF: 1/1/68  
 (FROM DAILY OBSERVATIONS)

12-41  
 STATION

1/1/68  
 STATION NAME

1-47 22-67

YEARS

1/1/68 1 TS

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1	41	44	44	44	44	44	44	44	44	44	44	44	44
2	44	44	44	44	44	44	44	44	44	44	44	44	44
3	44	44	44	44	44	44	44	44	44	44	44	44	44
4	44	44	44	44	44	44	44	44	44	44	44	44	44
5	44	44	44	44	44	44	44	44	44	44	44	44	44
6	44	44	44	44	44	44	44	44	44	44	44	44	44
7	44	44	44	44	44	44	44	44	44	44	44	44	44
8	44	44	44	44	44	44	44	44	44	44	44	44	44
9	44	44	44	44	44	44	44	44	44	44	44	44	44
10	44	44	44	44	44	44	44	44	44	44	44	44	44
11	44	44	44	44	44	44	44	44	44	44	44	44	44
12	44	44	44	44	44	44	44	44	44	44	44	44	44
MEAN	44	44	44	44	44	44	44	44	44	44	44	44	44
S D	44	44	44	44	44	44	44	44	44	44	44	44	44
TOTAL OBS	44	44	44	44	44	44	44	44	44	44	44	44	44

3,47.62 1-5  
(FROM DAILY OBSERVATIONS)

747 2 11/15  
 601 2 11/15  
 411 2 11/15

STATION

STATION NAME

41-47, 62-67

WSTS IN WSTS

4 OBSERVATIONS FOR MONTH

[illegible]

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-49-54-68  
YEARS

YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.3	1.9	.7	.1	.1						4.4	8.1
NNE		.8	1.3	.3	.1							2.2	8.1
NE	.4	1.3	1.0	.6	.1							3.2	8.0
ENE	.2	1.3	1.7	1.0	.1							4.3	8.4
E	.6	2.3	3.4	1.1								7.4	7.5
ESE		1.3	1.0	.3								2.5	7.4
SE	.5	.6	.8	.2	.2							2.3	7.3
SSE	.2	1.3	.7	.6								2.9	7.3
S	.7	2.9	3.7	2.3	.5							10.1	8.8
SSW	.7	1.6	2.6	1.6	.6							7.6	9.4
SW	.2	2.1	2.8	2.8	.9	.2						9.2	10.6
WSW	.2	1.8	2.0	1.5	.6	.1						5.9	9.8
W	.8	2.7	3.3	3.1	1.4	.3	.1					11.8	10.8
WNW	.2	1.0	2.2	1.9	.6	.1						5.4	10.6
NW	1.1	2.5	2.3	1.7	.5	.3						9.3	8.7
NNW	.2	.9	2.0	.9	.1	.1						4.2	9.1
VAREL												7.0	
CALM												100.0	8.5
	6.2	25.4	34.1	20.3	5.7	1.2	.6		.1				
													1671

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13541  
STATION

WILMINGTON OHIO/CLINTON CU AFB  
STATION NAME

44-49, 54-68

YEARS

JAN  
MONTH

0300-0500  
HOURS PLST

ALL WEATHER  
CLASS

CONDITION

SPEED KNTS DIP	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.3	1.9	1.1	.2							4.9	8.4
NNE	.1	.8	1.0	.4								2.3	7.6
NE	.1	1.1	1.3	.5		.1						3.2	8.0
ENE	.1	.9	2.0	1.4	.3							4.6	9.8
E	.5	2.2	3.7	.6								7.0	7.2
ESE	.1	1.2	1.3	.2								3.0	6.8
SE		.7	1.4	.3								2.5	8.3
SSE	.2	1.1	.9	.2	.2							2.7	8.1
S	.8	1.6	3.3	2.4	.4	.3						9.1	9.4
SSW	.7	1.8	3.6	1.9	.3	.1						7.4	9.3
SW	.5	1.3	3.9	3.4	.6	.3		1.				10.2	10.5
WSW	.3	1.6	3.4	1.3	.4	.4						7.2	9.8
W*	.1	1.8	3.1	3.0	.3	.4	.2					10.5	11.0
WNW	.3	1.0	1.8	2.3	.5	.1						6.0	10.7
NW	.4	.9	3.1	1.8	.6	.1						7.9	9.2
NNW	.4	.7	1.4	1.6	.3	.1	.1					4.6	10.1
VARBL													
CALM												6.6	
	2.0	21.4	36.3	22.9	5.1	1.8	.3	.1				100.0	8.8
TOTAL NUMBER OF OBSERVATIONS													1577



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-49, 54-58  
YEARS

YEARS

JAN  
MONTH

0600-0800  
HOURS (LST)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS, DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.3	1.3	1.3	.2							4.6	8.6
NNE	1.3	1.6	1.0	.8	.2	.1						2.0	9.5
NE	1.3	1.0	1.1	.7	.1							3.2	8.2
ENE	1.2	.7	2.3	1.0	.2							4.5	9.1
E	1.7	2.0	2.6	1.1								6.7	7.3
ESE	1.3	1.8	1.4	.6								2.8	7.0
SE	1.3	1.5	1.0	.1	.1							2.6	6.4
SSE	1.3	1.9	1.3	.6	.1							3.5	8.6
S	1.3	2.2	2.3	2.6	.4							9.6	8.7
SSW	1.3	1.9	2.3	2.6	.4							7.9	9.6
SW	1.7	1.7	2.2	2.2	.8	.1						10.1	10.5
WSW	1.4	1.4	1.9	2.6	.5	.1	.1					6.8	10.0
W	1.8	1.9	3.0	2.9	.6	.4	.1					11.0	11.0
W1W	1.4	1.8	1.6	1.6	.5	.3	.1					2.2	11.5
NW	1.8	2.0	2.4	.8	.7	.1						7.2	8.4
NNW	1.6	1.0	1.1	1.2	.2	.1						5.2	10.0
VARBL													
CALM												6.3	
	7.8	21.3	32.3	24.6	9.0	1.4	.2					100.0	8.8
TOTAL NUMBER OF OBSERVATIONS													1670

DATA PROCESSING DIVISION  
ETAG, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILMINGTON UNCL/CLINTON CO AFB  
STATION NAME

44-49,54-08  
EAK

ALL WEATHER  
CLASS

CONDITION

JAN  
MONTH  
0900-1100  
HOURS (LST)

SPEED (KNTS DIR	0	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	0.0	1.2	1.0	2.0	1.1	1.1						5.2	9.4
NNE	0.0	1.3	1.1	1.7	1.2	1.1						3.1	4.3
NE	0.0	1.3	1.1	1.0	1.2							3.3	4.3
ENE	0.0	1.3	1.1	1.0	1.2							3.3	4.3
E	0.0	1.3	1.1	1.0	1.2							3.3	4.3
ESE	0.0	1.3	1.1	1.0	1.2							3.3	4.3
SE	0.0	1.3	1.1	1.0	1.2							3.3	4.3
SSE	0.0	1.3	1.1	1.0	1.2							3.3	4.3
S	0.0	1.3	1.1	1.0	1.2							3.3	4.3
SSW	0.0	1.3	1.1	1.0	1.2							3.3	4.3
SW	0.0	1.3	1.1	1.0	1.2							3.3	4.3
WSW	0.0	1.3	1.1	1.0	1.2							3.3	4.3
W	0.0	1.3	1.1	1.0	1.2							3.3	4.3
WNW	0.0	1.3	1.1	1.0	1.2							3.3	4.3
NW	0.0	1.3	1.1	1.0	1.2							3.3	4.3
NNW	0.0	1.3	1.1	1.0	1.2							3.3	4.3
VARBI	0.0	1.3	1.1	1.0	1.2							3.3	4.3
CALM	0.0	1.3	1.1	1.0	1.2							3.3	4.3
	4.8	17.7	33.7	30.1	7.6	1.8	1.2	1.2				100.0	9.9
TOTAL NUMBER OF OBSERVATIONS													1873

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28901

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM FOURLY OBSERVATIONS)

13041  
STATION

WILMINGTON OHIO/CLINTON CU AFB  
STATION NAME

44-49, 54-68  
YEARS

JAN  
MONTH

1200-1400  
HOURS (EST)

ALL WEATHER  
CLASS

CONDITION

SPEED KNT, DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	MEAN WIND SPEED
N	.3	.9	2.1	1.0	.2	.1						4.4
NNE	.1	.5	1.3	.2	.1	.1						2.9
NE	.3	1.0	1.1	.7	.1							3.6
ENE	.2	.7	1.8	1.2	.3							4.1
E	.2	1.1	1.5	.5	.1							3.3
ESE	.2	.8	1.2	.5	.1							2.4
SE	.4	.8	1.2	.6								3.0
SSE	.2	.7	.9	.5								2.3
S	.2	.7	.7	.6	.7	.1						2.9
SSW	.3	.4	.7	.9	.7	.2						10.2
SW	.3	.6	.9	.3	.0	.6						11.8
WSW	.4	1.0	2.0	.6	.9	.4	.1					8.4
W	.3	1.1	2.5	.1	.2	.5	.2					14.0
WNW	.2	1.1	1.1	.8	.2	.3	.1					6.8
NW	.3	1.2	1.9	.5	.6	.1	.1					5.6
NNW	.3	.0	1.2	.2	.5	.1						4.3
VARBL												
CALM												2.9
	4.0	14.9	31.6	32.9	10.7	2.4	.5					100.0
												10.7
												1881

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILMINGTON OHIO/CLINTON CU AFB  
STATION NAME

44-49, 54-68  
YEARS

ALL WEATHER  
CLASS

CONDITION

JAN  
MONTH

1500-1700  
HOURS (EST)

SPEED KNTS DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	MEAN WIND SPEED
N	.4	.8	1.8	.9	.4							4.2
NNE	.4	.5	1.8	.5	.1							2.1
NE	.3	1.1	1.4	.5	.3							3.5
ENE	.2	1.1	1.7	1.5								4.5
E	.7	1.3	1.9	1.0								4.4
ESE	.1	.7	.4	.3	.1							1.9
SE	.3	.7	.7	.2								1.9
SSE	.9	1.1	1.6	.7	.2							4.0
S	1.0	2.0	4.7	2.4	.3	.1						11.3
SSW	.3	1.4	3.3	2.7	.5	.1						8.3
SW	.4	1.2	3.6	3.8	.8	.2						10.0
WSW	.3	.9	2.2	3.0	1.2	.4	.1	.1				8.1
W	.8	1.6	3.9	5.2	2.3	.5	.1					14.9
WNW	.1	.2	1.8	2.5	1.0	.4	.1					6.2
NW	.2	1.0	2.0	2.4	.2							5.7
NNW	.5	.7	1.1	2.0	.5	.1						4.9
VARBL												
ALM												4.0
	6.1	16.0	33.1	30.7	7.5	1.7	.2	.1				100.0
TOTAL NUMBER OF OBSERVATIONS												1935

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILMINGTON OHIO/CLINTON CW AFB  
STATION NAME

44-49, 54-68  
YEARS

YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (LST)

CONDITION

WIND SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.4	1.0	.9	.1							4.3	8.2
NNE	.4	.8	.7	.6								2.4	7.6
NE	.5	1.5	2.1	.7	.2	.1						5.0	8.0
ENE	.1	1.3	1.0	.9	.1							3.5	8.6
E	.9	2.1	2.2	.5	.1							5.6	6.7
ESE	.3	.9	.6	.1								1.9	6.1
SE	.7	1.9	1.4	.3								4.2	6.1
SSE	.4	1.7	1.6	.4	.1	.1						4.5	7.5
S	.9	3.3	3.8	2.6	.2	.1						10.8	1.2
SSW	.0	2.0	2.3	2.4	.3							8.6	8.9
SW	.5	1.9	2.9	2.3	.5	.1						8.1	9.6
WSW	.6	.9	1.8	1.7	.3	.1						5.3	9.8
W	1.1	1.5	4.0	4.0	1.8	.4	.1					12.9	11.0
WNW	.3	1.2	2.5	1.3	.7	.1	.1					6.2	10.5
WJW	.4	1.0	2.6	1.0	.3	.1						5.4	9.3
NNW	.4	1.1	1.7	.9	.1	.1						4.2	8.7
VARBL													
CALM												7.0	
	4.2	24.4	34.2	20.5	4.9	.9	.2					100.0	8.2
TOTAL NUMBER OF OBSERVATIONS												1967	

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILMINGTON 0410/CLINTON CU AFB  
STATION NAME

44-49,54-68  
YEARS

ALL WEATHER  
CLASS

JAN  
MONTH

2100-2300  
HOURS (LST)

CONDITION

SPEED KNTS. DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.3	1.9	1.7	1.2							4.5	8.0
NNE	1.9	1.8	1.7	1.4	1.1							2.3	7.4
NE	1.9	1.9	1.3	1.2	1.2							4.0	9.2
ENE	1.7	1.0	1.1	1.9	1.2							3.9	8.0
E	1.5	2.4	2.8	1.5								6.2	6.9
ESE	1.5	1.2	1.0	1.1								2.7	6.0
SE	1.4	1.7	1.5	1.3								3.8	6.7
SSE	1.5	1.0	1.2	1.5	1.2							3.3	8.1
S	1.8	3.0	3.5	2.7	1.7	1.1						10.8	9.0
SSW	1.4	1.9	3.1	2.2	1.7	1.1						8.2	9.6
SW	1.3	1.5	3.5	2.6	1.5	1.1						8.4	9.9
WSW	1.3	1.0	2.1	1.4	1.8	1.1	1.1					5.8	10.6
W	1.3	2.7	1.1	1.4	1.2	1.3	1.2	1.1				12.2	10.8
WNW	1.3	1.8	1.6	1.9	1.8	1.4						6.0	11.5
NW	1.9	1.9	2.2	1.6	1.2	1.2						6.3	9.4
NNW	1.5	1.9	3.0	1.8	1.1							4.5	8.1
/ARBL													
CALM												7.2	
	7.1	23.4	33.8	21.3	5.8	1.1	1.2	1.1				100.0	8.5
TOTAL NUMBER OF OBSERVATIONS													1936

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13841

WILMINGTON OHIO/CLINTON CO AFB

44-49,54-68

YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS U.S.T.

CONDITION

SPEED KNTS DIR	1	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	14	1.2	1.8	1.1	.2	.0						4.6	8.7
NNE	12	.6	1.0	.6	.1	.0						2.6	8.6
NE	13	1.0	1.4	.7	.2	.0						3.6	8.5
ENE	12	1.0	1.7	1.1	.2							4.1	9.0
E	16	1.8	2.6	.7	.0							5.7	7.3
ESE	12	1.0	1.1	.3	.0							2.6	7.1
SE	14	1.1	1.1	.3	.0							2.9	6.9
SSE	13	1.1	1.2	.6	.1	.0						3.5	8.1
S	17	2.4	3.8	2.8	.5	.1						10.2	9.2
SSW	14	1.7	3.1	2.7	.5	.1		.0				8.4	9.8
SW	14	1.5	3.4	3.5	.9	.2	.0	.0				10.0	10.9
WSW	13	1.2	2.1	2.2	.8	.2	.0	.0				6.9	11.0
W	16	1.7	3.6	4.1	1.7	.4	.1	.0	.0			12.4	11.6
WNW	12	.9	1.8	1.9	.8	.2	.1	.0		.0		5.9	11.6
NW	14	1.3	2.5	1.6	.4	.1	.0	.0				6.5	9.4
NNW	14	1.0	1.5	1.2	.2	.1	.0					4.5	9.4
VARBL													
CALM												5.6	
	0.6	20.5	33.6	25.5	6.7	1.5	.2	.0	.0			100.0	9.2
TOTAL NUMBER OF OBSERVATIONS													14474

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13841  
STATION

WILMINGTON OHIO/CLINTON CU AFB  
STATION NAME

44-45, 47-49, 54-68  
YEAR

FEB  
MONTH

ALL WEATHER  
CLASS

0000-0200  
FOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	MEAN WIND SPEED
N	.0	1.4	1.7	1.1	.1							4.8
NNE	.0	.6	1.0	1.0	.1							3.3
NE	.0	1.6	2.0	.5	.3							4.8
ENE	.0	1.0	2.3	1.0								4.5
E	.4	1.4	3.3	1.1	.1							6.4
ESE	.3	.5	2.2	.3								2.5
SE	.1	1.0	1.9	.3		.1						4.3
SSE	.1	1.8	2.0	.8								4.7
S	.3	1.7	2.3	1.8	.7	.1						6.9
SSW	.3	1.4	2.7	1.9	.2	.1						7.2
SW	.4	1.0	1.9	1.0	.3	.3						3.0
WSW	.7	1.2	2.6	1.6	.7	.2	.1					7.0
W	.6	1.9	3.7	4.4	1.2	.6	.1					12.4
WNW	.1	.8	2.0	1.3	.9	.4						7.3
NW	.5	1.7	2.3	2.1	.9	.4	.1					7.9
NNW	.2	.7	.9	.6	.4							3.0
VARBL												7.9
CALM												7.9
	3.9	20.6	33.8	22.5	7.0	2.1	.2					100.0
												8.9
												144

TOTAL NUMBER OF OBSERVATIONS



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-45, 47-49, 54-68  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.5	1.2	1.0	.4							4.4	8.6
NNE	.4	1.1	.8	.7	.3							3.3	8.6
NE	.2	1.8	1.8	1.2	.1							3.2	8.4
ENE	.2	.6	1.5	1.0	.1	.1						3.5	9.4
E	.2	2.1	2.9	1.0	.2							6.4	8.3
ESE	.4	1.0	1.4	.4								3.2	7.3
SE	.4	1.9	2.3	.1								4.0	6.7
SSE	.1	1.2	2.0	.3	.1							3.8	8.0
S	.1	1.5	2.5	.3	.6							7.5	10.3
SSW	.1	1.4	2.4	2.2	.4	.3						6.8	10.4
SW	.8	1.3	1.9	1.5	.2	.4	.1					6.4	9.9
WSW	.4	1.4	1.7	1.8	.4		.1					5.8	10.0
W	.4	2.3	4.0	4.3	1.7	.2						12.9	10.9
WNW	.1	1.0	2.3	2.2	.8	.1						7.5	12.0
NW	.2	1.6	2.3	2.1	.9	.4						7.7	10.6
NNW	.6	.7	1.2	1.0	.3							4.0	9.6
VARBL													
CALM												6.7	
	2.3	22.5	32.2	23.8	7.8	1.5	.1					100.0	9.0
TOTAL NUMBER OF OBSERVATIONS													1365

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILMINGTON OHIO/CLINTON CD AFB  
STATION NAME

44-45, 47-49, 54-68  
YEARS

FEB  
MONTH

0600-0800  
HOURS (LST)

ALL WEATHER  
CLASS

CONDITION

SPEED KNTS. DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	MEAN WIND SPEED
N	.7	1.5	1.6	1.1	.2							5.1
NNE	.6	1.2	1.4	1.0	.1	.1						3.4
NE	.3	1.3	2.7	1.2	.3							3.9
ENE		1.4	1.7	.9	.1							4.1
E	.0	2.1	2.3	1.4								6.4
ESE	.1	1.1	1.5	.9								3.0
SE	.3	1.1	2.3	.9								4.2
SSE	.3	1.9	2.2	.9								3.9
S	.3	2.0	2.2	.9	.6							8.1
SSW	.3	1.4	2.8	.8	.5	.2						6.9
SW	.9	1.3	2.8	.8	.5	.2						7.2
WSW	.4	1.2	2.3	.8	.6	.3						7.0
W	.7	1.7	2.8	.6	.4	.3						12.8
WNW		1.7	2.3	.6	.9							3.7
NW	.2	1.3	2.1	.8	.8	.1						6.2
NNW	.3	1.5	1.4	.8	.3							3.3
VARBL												6.8
CALM												100.0
	5.9	21.3	33.6	25.1	6.2	1.2						8.8
TOTAL NUMBER OF OBSERVATIONS												1448

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13841  
STATION

WILMINGTON DRUG/CLINTON CO AFB  
STATION NAME

44-45, 47-49, 54-68  
YEARS

FF  
MONTH

2400-1100  
HOURS (LST)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIP	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	.2	.7	1.7	1.3	.3	.1						4.3	9.9
NNE	.2	.7	1.5	.7								3.1	8.4
NE	.2	1.1	1.6	1.5	.1							4.6	8.9
ENE	.2	1.2	1.9	1.0	.2							4.5	8.6
E	.2	1.5	3.3	1.5	.1	.1						6.5	8.7
ESE	.1	.7	2.3	1.0								4.2	8.7
SE	.1	.9	1.7	.8								3.4	8.7
SSE	.2	.6	1.2	.8	.1							2.9	9.0
S	.4	1.5	3.7	2.9	.4							9.0	9.6
SSW	.2	.9	2.1	2.0	1.3	.2		.1				7.4	12.0
SW	.3	1.2	3.3	3.3	1.1	.2						9.4	11.0
WSW	.1	1.2	1.8	3.3	1.0	.2	.1					6.7	11.5
W	.1	1.4	3.9	3.6	1.9	.6	.2				.1	13.7	12.8
WNW	.3	1.4	1.7	2.0	1.8	.4	.1					6.6	13.3
WVW	.3	1.0	1.8	2.2	.4	.1		.1				6.0	10.7
NNW	.3	1.2	1.6	.9	.1		.1					4.2	8.6
VARBL												3.6	
CALM													
	3.2	10.4	35.2	30.1	8.8	1.8	.4	.1		.1	100.0	10.1	
	TOTAL NUMBER OF OBSERVATIONS												163

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28601

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-45, 47-49, 54-68  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (LST)

CONDITION

SPEED KNTS DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 55	%	MEAN WIND SPEED
N	1.1	1.3	1.5	1.2	.3							4.4	9.6
NNE	1.1	.9	1.9	.8	.1							3.7	8.8
NE	1.4	1.0	1.4	.9	.1							3.8	8.3
ENE	1.1	.9	1.8	.7	.1	.1						3.6	9.3
E	1.1	1.7	2.7	1.3	.1	.1						5.9	8.9
ESE	1.3	.7	1.1	.4								2.3	7.4
SE	1.2	.9	1.2	.3								2.7	8.1
SSE	1.2	1.3	.9	.7								3.2	7.7
S	1.2	1.6	3.4	3.2	.5							9.0	10.2
SSW	1.1	1.0	2.3	2.4	1.5	.5		.2				8.0	12.9
SW	1.2	1.0	2.7	3.7	1.5	.6	.2					9.9	12.8
WSW	1.2	.7	2.1	3.2	.9	.4	.1					7.6	12.0
W	1.4	1.0	4.0	5.3	2.7	1.0	.2					14.6	13.4
WNW	1.2	.7	2.0	2.7	1.5	.5	.2					7.8	13.4
NW	1.7	1.2	2.4	2.0	.7	.2						7.1	10.4
NNW	1.2	1.0	1.2	.8	.5	.1	.1					4.1	10.0
VARBI													
CALM												2.0	
	3.3	16.9	32.7	30.1	10.4	2.5	.9					100.0	10.9
TOTAL NUMBER OF OBSERVATIONS													1638

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13841  
STATION

WILMINGTON OHIO/CLINTON CU AFB  
STATION NAME

44-45, 47-49, 54-68  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.2	1.7	1.3	.3							4.6	9.6
NNE	4.1	1.8	1.6	1.0	.1							3.7	8.1
NE	1.1	1.0	1.4	1.0	.1							3.6	9.2
ENE	1.3	.7	2.1	1.3	.2							4.6	9.4
E	4.4	1.2	2.3	.8								5.0	7.7
ESE	1.3	.6	1.2	.3	.1							2.5	7.5
SE	4.4	.9	1.3	.2								2.3	6.7
SSE	1.2	1.1	1.0	.6	.1							3.0	8.2
S	4.4	1.7	3.6	2.6	.5	.1						8.8	9.6
SSW	1.2	1.0	3.0	2.9	.9	.1						8.1	11.1
SW	1.2	.9	3.0	2.9	1.2	.4	.1					8.2	12.1
WSW	1.5	.8	1.9	2.3	.9	.3	.1					6.8	11.4
W	1.2	2.0	3.6	6.4	2.7	1.2	.1					16.3	13.0
WNW	1.2	.8	2.0	3.0	1.5	.7	.1					8.2	13.9
NW	1.2	1.5	2.3	2.0	.4	.4	.1					6.8	10.4
NNW	1.0	1.4	1.3	1.3	.5	.1	.1					5.0	9.9
VARBL													
CALM												2.6	
	4.1	18.1	33.3	28.7	9.5	3.2	.5					100.0	10.4
TOTAL NUMBER OF OBSERVATIONS													1686

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-45, 47-49, 54-68  
YEARS

FEB  
MONTH

1800-2000  
HOURS (LST)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.8	2.4	1.1		1						6.0	8.0
NNE	.5	1.3	1.5	.5	.2							4.1	7.7
NE	.2	1.8	2.0	.4	.2							4.6	7.9
ENE	.2	1.5	1.8	.9	.1							4.4	8.1
E	.2	2.3	2.1	.7	.1							5.3	7.4
ESE	.2	.9	.9	.4	.1							2.6	7.5
SE	.2	1.2	1.3	.2	.1							3.0	7.2
SSE	.4	2.0	1.7	.4	.2							4.7	7.0
S	.7	2.6	3.2	2.1	.2	1						9.0	8.6
SSW	.2	1.0	2.4	1.9	.4	1						6.0	10.1
SW	.5	1.9	2.1	1.3	.7	1						6.6	9.2
WSW	.4	1.7	1.3	1.3	.3	1						5.3	9.3
W	.7	2.7	4.1	3.5	1.4	1						12.8	10.2
WNW	.3	1.0	2.1	2.8	.7	2						6.8	11.7
NW	.3	1.1	2.4	2.6	1.9	1	1					7.5	11.7
NNW	.4	1.4	.9	.9	.1							3.8	7.8
VARBL												7.6	
CALM													
	6.3	25.6	32.3	20.1	6.3	1.4	1.1					100.0	8.4
TOTAL NUMBER OF OBSERVATIONS													1686

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13841  
STATION

WILMINGTON OHIO/CLINTON CU AFB  
STATION NAME

44-45, 47-49, 54-68  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.1	2.4	.2	.2	.2						4.9	8.5
NNE	.6	1.2	1.4	.6	.1							3.6	7.1
NE	.2	1.3	2.3	.5	.2							4.5	8.3
ENE	.2	1.0	1.7	.2	.1							3.6	8.9
E	.7	2.0	2.6	.4	.2							5.8	7.4
ESE	.6	1.2	1.5	.5	.1							3.9	7.3
SE	.4	1.9	2.1	.4								4.5	6.8
SSE	.1	1.1	1.3	.6	.1							3.3	8.3
S	.5	1.2	2.2	.6	.2	.1						8.1	8.2
SSW	.3	1.3	2.4	1.8	.4	.1						6.4	10.1
SW	.2	1.4	2.4	1.0	.5	.1	.1					5.8	9.9
WSW	.5	1.4	1.5	1.4	.7	.1		.1				3.4	10.1
W	.7	2.4	4.1	4.4	1.0	.2		.1				13.1	10.7
WNW	.3	1.6	2.0	2.1	1.3	.2						6.9	11.6
NW	.4	1.5	2.1	2.1	1.1	.3	.2					6.8	12.8
NNW	.2	1.2	1.3	.7	.1							3.6	8.1
VARBL													
ALM												9.7	
	7.0	21.0	34.3	19.2	6.2	1.7	.3	.2				100.0	8.5
TOTAL NUMBER OF OBSERVATIONS													167

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILMINGTON OHIO/CLINTON CL AFB  
STATION NAME

44-45, 47-49, 54-68  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS LST

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.2	1.8	1.1	1.2	1.0						4.8	8.8
NNW	1.4	1.9	1.3	1.7	1.1	1.0						3.5	8.2
NE	1.5	1.4	1.9	1.9	1.2							4.6	8.5
ENE	1.2	1.0	1.6	1.0	1.1	1.0						4.1	8.8
E	1.3	1.8	2.7	1.0	1.1	1.0						5.9	8.0
ESE	1.3	1.0	1.4	1.2	1.0							3.1	7.7
SE	1.3	1.3	1.7	1.4	1.0	1.0						3.0	7.4
SSE	1.2	1.3	1.2	1.6	1.1							3.7	7.9
S	1.4	1.9	2.1	2.3	1.5	1.0						8.3	9.5
SSW	1.2	1.2	2.3	2.3	1.7	1.2	1.0	1.0				7.1	10.9
SW	1.4	1.3	2.5	2.0	1.8	1.3	1.1	1.0				7.4	10.7
WSW	1.4	1.2	1.9	2.0	1.7	1.2	1.0	1.0				6.4	10.7
W	1.5	1.9	3.9	2.9	1.4	1.9	1.1	1.0			1.0	13.6	11.8
WNW	1.2	1.7	1.9	2.3	1.4	1.3	1.0	1.0				7.1	12.5
NW	1.5	1.2	2.2	2.0	1.6	1.9	1.0	1.0				7.0	11.1
NNW	1.3	1.1	1.3	1.9	1.3	1.0	1.0					3.9	9.1
VARBL													
CALM												5.8	
	5.2	20.3	33.4	25.0	7.8	2.1	1.3	1.0			1.0	100.0	9.4
TOTAL NUMBER OF OBSERVATIONS													12579



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILMINGTON OHIO/CLINTON CW AFB  
STATION NAME

44-49.53-58  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (LST)

CONDITION

SPEED KNTS DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	> 56	%	MEAN WIND SPEED
N	.3	1.3	1.8	1.4	.2							5.0	9.0
NNE	.2	.9	1.3	.9	.2							3.5	8.7
NE	.1	1.0	2.8	1.1	.5							5.5	9.8
ENE	.2	1.7	1.9	1.0	.5							5.4	8.8
E	.2	2.4	2.7	1.1	.2							6.8	7.7
ESE	.2	.8	1.6	.4	.1							3.0	7.9
SE	.1	1.6	1.9	.9	.1							4.0	7.6
SSE	.1	.6	1.6	.9	.1	.1						3.3	9.3
S	.5	2.1	4.4	1.9	.4	.1	.1					9.3	9.0
SSW	.2	2.3	2.3	3.3	.9	.1						8.3	10.0
SW	.3	1.2	2.7	1.2	.1							6.2	9.3
WSW		1.3	1.4	1.2	.3	.1	.1					3.5	11.9
W	.3	1.7	2.7	3.5	1.3	.1	.2	.1				9.9	11.8
WNW	.2	1.0	2.2	.9	.2	.2	.2	.1				5.0	10.8
NW	.2	1.9	2.7	1.6	.2							6.7	2.0
NNW	.4	1.3	1.7	1.0	.3			.1				5.0	9.0
VARBL													
CALM												9.5	
	3.9	23.1	35.6	22.5	5.1	.6	.6	.1				100.0	8.8
TOTAL NUMBER OF OBSERVATIONS													1723

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13891  
STATION

WILLIAMSON FIELD (CLINTON) CO AFB  
STATION NAME

44-49,53-68  
YEARS

YEARS

YEAR  
MONTH

0300-0500  
HOURS (LST)

ALL WEATHER  
PERIOD

CONDITION

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	MEAN WIND SPEED
N	1.2	1.2	1.0	1.2	1.2							5.0
NNE	1.4	1.9	1.2	1.3	1.1							2.8
NE	1.4	1.5	2.8	1.2	1.2							5.9
NNE	1.3	1.7	2.6	1.0	1.4	.1						6.1
E	1.0	1.6	2.7	1.2	1.1							6.3
ESE	1.2	1.9	1.3	1.4	1.1							2.8
E	1.2	1.1	1.0	.9	1.2							3.0
SSE	1.1	.4	1.5	.7	1.1							2.8
S	1.1	2.0	3.1	2.1	2.1	.1						2.6
SSW	1.2	1.7	3.6	3.1	.9	.1						9.4
SW	1.6	1.0	3.2	1.6	1.1	.1						9.4
WSW	1.1	.7	2.0	.9	1.2							6.7
W	1.1	1.9	2.0	2.2	1.2	.1	.1	.1				4.0
WNW	1.4	1.1	1.3	1.3	1.4	.1	.2	.1				9.6
NW	1.0	1.2	2.0	1.2	1.2	.1						4.0
NNW	1.4	1.3	1.1	.8	1.1							0.8
VARBL												4.4
CALM												10.8
	2.2	19.2	37.0	20.6	5.0	.7	.4	.2				100.0
TOTAL NUMBER OF OBSERVATIONS												1632

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-49,53-68  
YEARS

ALL WEATHER  
CLASS

MAR  
MONTH  
0600-0800  
HOURS (LST)

CONDITION

SPEED KNTS DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.2	1.7	.9	.2	.1						4.1	9.2
NNE	.7	.5	.8	.4	.2							2.6	7.2
NE	.4	.2	.6	.4	.1							3.2	8.6
NNE	.2	.7	.7	.6	.3	.1						6.8	9.2
ESE	.3	.1	.1	.1								7.1	8.1
SE	.1	.0	.3	.9								3.2	8.4
SSE	.3	.2	.3	.2	.1							3.7	8.0
S	.4	.8	.1	.2	.2							3.0	8.3
SSW	.4	.0	.4	.2	.3	.1						9.0	9.0
SW	.5	.7	.4	.0	.8	.1	.1					10.7	10.0
WSW	.6	.0	.1	.1	.1	.1	.2					7.2	9.9
W	.1	.8	.6	.6	.8	.1	.2	.1				9.2	12.3
WNW	.2	.7	.7	.0	.2	.1	.1	.1				9.0	10.4
NW	.3	.5	.3	.9	.5	.3	.1	.1				4.8	12.1
NNW	.2	.9	.7	.1	.2	.2	.1					6.7	9.6
VARBL	.1	.2	.3	.9	.2							3.0	8.8
CALM												7.8	
	5.2	20.6	36.3	23.2	8.1	1.0	.6	.1				100.0	8.8
TOTAL NUMBER OF OBSERVATIONS													1724

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-49, 53-68  
YEARS

YEAR

MAR  
MONTH

0900-1100  
HOURS (EST)

ALL WEATHER  
CLASS

CONDITION

SPEED KNTS DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.9	1.7	1.2	.3	.1						4.3	9.7
NNE	1.3	.5	.9	.4	.1							2.1	8.3
NE	1.2	.8	1.6	1.1								3.7	8.7
ENE	1.2	.6	2.8	1.9	.3							5.3	9.8
E	1.3	1.7	2.2	2.0	.4							7.6	9.2
ESE	1.3	1.0	2.1	.7	.4							4.4	9.2
SE	1.4	1.3	2.0	.9	.1							4.8	8.2
SSE	1.1	.4	1.2	.8	.4							2.9	10.4
S	1.2	1.4	2.8	2.4	.6	.3	.1					7.7	10.7
SSW	1.2	1.0	2.7	2.0	1.2	.4	.1	.1				9.4	12.2
SW	1.3	.9	2.3	1.9	1.0	.4	.1					9.1	12.3
WSW	1.2	1.0	2.1	1.9	1.1	.4	.3					8.3	12.8
W	1.2	1.1	2.4	1.9	.8	.4	.1	.1				10.6	12.3
WNW	1.1	.7	1.9	1.7	.9	.3						7.5	12.4
NW	1.2	.9	1.6	1.1	.6	.4	.1					5.9	13.0
NNW	1.2	.9	1.4	1.2	.2	.1						4.0	9.8
VARBL													
CALM												2.7	
	3.2	14.0	33.6	33.1	9.2	2.7	.7	.2				100.0	10.2
TOTAL NUMBER OF OBSERVATIONS													1926

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28601

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13841  
STATION

WILMINGTON OHIO/CLINTON OH AFB  
STATION NAME

44-49, 53-68  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS U.S.T.

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	2.	8.	2.0.	.9	.4							4.3.	9.5
NNE		7.	1.4	.4	.3	.1						2.8.	9.6
NE	4.	6.	1.1.	1.4	.2							3.8	9.5
ENE	3.	8.	2.1.	1.0	.3	.2						4.7	10.1
E	2.	10.	2.4	1.3	.2							5.7	8.9
ESE	3.	6.	2.0.	.7	.2							3.8.	8.8
SE	2.	10.	1.2.	.6	.4							3.4.	9.2
SSE	2.	5.	1.2.	1.2	.3							2.4.	10.2
S	3.	7.	2.6	2.2	.7	.3	1.					6.9	11.4
SSW	1.	5.	2.2.	3.8	2.2	.7	1.					9.6	14.0
SW	3.	6.	2.2.	3.7	1.9	.9		1.				9.7	14.0
WSW	4.	6.	2.1.	3.2	1.0	.6	3.					8.1	13.2
W	2.	7.	2.2.	3.1	2.8	1.2	2.	2.				13.6	14.2
WNW	3.	6.	1.1.	3.0	1.1	.4	1.					6.7	13.3
NW	3.	11.	2.1.	3.0	1.0	.2	1.					7.8	11.8
NNW	1.	8.	1.2.	.8	.5	.2						3.6	10.6
VARBL													
CALM												2.4	
	3.4	12.6	30.0	32.0	13.3	4.6	.9	.3				100.0	11.7
													1935

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28601

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILMINGTON OHIO/CLINTON CU AFB  
STATION NAME

44-49,53-68  
YEARS

YEAR

1 JAN  
MONTH

1500-1700  
HOURS (LST)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS.) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	.2	.8	2.4	1.0	.3	.1						4.6	9.3
NNE	.2	.9	1.3	1.0	.4	.1						3.8	10.3
NE	.1	.8	2.3	.8	.3							4.2	9.3
ENE	.1	.9	1.9	1.3	.4							4.2	10.6
E	.3	1.3	2.2	1.1	.7							4.8	8.3
ESE	.2	.6	1.4	.7	.1							2.8	8.8
SE	.2	.8	1.3	.6	.2							3.0	8.7
SSE	.3	1.0	1.1	1.0	.6							3.2	8.8
S	.2	1.4	2.0	3.8	1.3							8.5	11.2
SSW	.1	.8	1.8	3.4	1.4	.8						7.9	13.4
SW	.2	1.0	1.7	3.3	1.7	.5						8.4	13.1
WSW	.1	.7	2.1	3.0	1.2	.3	.1					7.6	12.8
W	.1	.7	2.6	3.1	2.7	1.1	.4	.2	.1			12.8	14.9
WNW	.1	.7	2.4	3.6	1.4	.5	.2					8.7	13.3
NW	.3	.9	2.5	3.2	1.1	.2	.1	.1				8.3	11.9
NNW	.3	.9	1.4	.5	.3	.3						3.6	9.9
VARBL													
CA'M												3.3	
	2.4	13.6	30.9	32.0	12.9	3.8	.8	.3	.1			100.0	11.4
TOTAL NUMBER OF OBSERVATIONS													1989

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILMINGTON OHIO/CLINTON CC AFB  
STATION NAME

44-49, 53-68  
YEARS

YEAR  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (LST)

CONDITION

SPEED (KTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 54	≥ 56	%	MEAN WIND SPEED
N	.7	2.0	2.0	.7	.2	.1						5.6	7.6
NNE	.0	1.4	1.4	1.3	.6							3.2	9.1
NE	.3	1.3	2.2	1.2	.4							3.3	9.2
ENE	.1	.8	2.2	1.1	.1							4.2	8.9
E	.6	2.1	2.3	.6	.1							2.7	7.2
ESE	.1	1.5	1.2	.2								3.3	7.1
SE	.7	1.6	.8	.6								2.8	6.4
SSE	.2	1.4	1.4	.2	.1							3.5	6.8
S	.7	2.6	3.2	2.0	.3	.1						8.8	8.5
SSW	.1	1.3	2.3	2.1	.5	.1						6.3	10.2
SW	.4	1.2	2.5	1.5	.4	.1						6.0	9.6
WSW	.2	.5	1.6	1.0	.6	.1		.1				3.9	10.9
W	.4	2.0	3.2	3.1	1.8	.9	.1	.1				11.3	12.0
WNW	.2	1.4	3.0	3.2	.8	.4	.1	.1				9.0	11.3
NW	.6	1.4	2.6	2.0	.3	.1	.1					7.0	9.4
NNW	.3	1.3	1.6	.9	.4	.1	.1					4.0	9.4
VARBL													
CALM												7.4	
	6.2	22.5	32.9	21.6	6.2	1.7	.3	.2				100.0	8.7
TOTAL NUMBER OF OBSERVATIONS													1989

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-49,52-68  
YEARS

YEAR

2100-2300  
MONTH

2100-2300  
HOURS (EST)

ALL WEATHER  
CLASS

CONDITION

SPEED KNTS. DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.4	1.4	.4	.5	.1						3.9	8.7
NNE	.5	.9	2.2	1.1	.3							5.0	9.0
NE	.3	1.8	2.2	2.0	.5	.1						6.8	9.3
ENE	.5	1.1	1.6	1.0	.1	.1						4.0	3.6
E	.6	2.1	2.9	1.2	.2							6.8	7.7
ESE	.6	1.8	1.4	.4								4.1	6.5
SE	.4	1.4	2.4	.7								4.9	7.0
SSE	.2	1.2	1.3	.8								3.4	8.0
S	.5	2.2	3.5	1.7	.6	.1						8.7	9.0
SSW	.1	1.7	2.3	2.0	.4	.1						6.5	9.9
SW	.2	1.2	2.0	1.2	.2	.1	.1					3.7	9.4
WSW	.5	.7	1.2	1.1	.2	.1	.1					3.7	9.8
W	.5	2.2	2.2	2.6	1.0	.6	.1	.1				9.7	11.1
WNW	.2	1.4	2.1	1.9	.4	.3	.1					6.3	10.4
NW	.4	1.3	2.9	1.9	.5	.1						6.9	9.6
NNW	.3	1.0	1.7	.9	.3	.1						4.3	9.3
VARBL													
CALM												7.1	
	5.4	23.8	34.1	20.4	5.1	1.4	.3	.1				100.0	8.4
TOTAL NUMBER OF OBSERVATIONS													1979



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-49, 53-68  
YEARS

AR  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS - LST

CONDITION

SPEED KNTS DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.2	1.9	1.0	.3	.0						4.6	8.9
NNE	.3	.8	1.3	.9	.3	.0						3.5	9.0
NE	.2	1.1	2.2	1.2	.3	.0						5.0	9.2
ENE	.2	1.1	2.2	1.2	.3	.0						5.0	9.4
E	.4	1.9	2.7	1.3	.1							6.3	8.2
ESE	.3	1.0	1.5	.6	.1							3.5	8.1
SE	.3	1.3	1.5	.9	.1							3.8	8.0
SSE	.2	.8	1.3	.8	.2	.0						3.2	8.8
S	.4	1.8	3.6	2.1	.6	.0						8.5	9.7
SSW	.2	1.4	2.9	3.0	1.0	.1	.0	.0				8.5	11.4
SW	.3	1.0	2.6	2.5	.7	.3	.1	.0				7.4	11.3
WSW	.2	.7	1.8	2.0	.7	.2	.1	.0				5.6	12.1
W	.2	1.3	3.0	3.9	1.8	.6	.1	.1	.0			10.9	12.5
WNW	.2	.9	1.9	2.4	.7	.3	.1	.0				6.6	12.0
NW	.4	1.2	2.5	2.2	.6	.2	.0	.0				6.9	10.5
NNW	.3	1.1	1.4	.9	.3	.1	.0					4.1	9.4
VAPBL													
CALM												6.0	
	4.4	18.7	33.7	26.0	7.9	2.1	.6	.2	.0			100.0	9.4
TOTAL NUMBER OF OBSERVATIONS													14897

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-49,53-68  
YEARS

APR  
MONTH

0000-0200  
HOURS (LST)

ALL WEATHER  
CLASS

CONDITION

SPEED KNTS, DIR	1 3	4 6	7 10	11 15	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	.4	.9	2.0	1.2	.1							4.6	8.7
NNE	.4	.6	1.2	.4	.1							2.6	7.4
NE	.8	1.9	3.0	1.5	.1	.1						7.4	8.1
ENE	.4	1.1	2.6	1.2	.2							5.4	8.7
E	.5	2.3	2.8	1.5	.2							7.2	8.0
ESE	.4	1.5	2.7	.3	.1							5.1	7.4
SE	.2	1.6	1.8	.8								4.0	7.3
SSE	.1	1.6	1.9	.4								4.0	7.3
S	.3	3.7	4.3	1.6	.6	.1						10.9	8.5
SSW	.2	1.9	3.2	2.5	.4	.1						7.5	9.6
SW	.2	1.6	3.4	1.6	.4	.2	.1					7.4	9.7
WSW	.1	.2	1.1	1.5	.3		.1					3.4	10.7
W	.2	1.7	1.6	3.0	.5	.1	.1					7.4	10.9
WNW	.4	.9	1.6	1.2	.2	.3	.1					4.8	10.3
NW	.2	1.1	2.2	.9	.4	.1	.1					5.0	9.6
NNW	.4	.7	1.3	.9	.2	.1						3.7	9.3
VARBL													
CALM												9.6	
	9.4	23.0	37.1	19.9	3.6	1.0	.4					100.0	8.0
TOTAL NUMBER OF OBSERVATIONS													1712

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILMINGTON OHIO/CLINTON CU AFB  
STATION NAME

44-49, 53-68

YEARS

APR  
MONTH

0300-0500  
HOURS (LST)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	°	MEAN WIND SPEED
N	.1	1.0	2.0	.5		.1						3.8	8.3
NNE	.2	.9	.9	.2	.1							2.3	7.6
NE	.4	1.7	3.1	1.4	.1							6.7	8.3
ENE	.1	.7	3.0	.9	.1							4.8	9.1
E	.5	1.8	3.9	1.1	.3							7.6	8.2
ESE	.4	1.0	1.5	.3								3.2	7.1
SE	.2	.9	2.2	.4								3.7	7.5
SSE	.2	1.2	2.3	.4	.1							4.2	7.7
S	.3	3.0	4.7	1.8	.7	.3						10.8	9.3
SSW	.2	1.5	4.0	1.4	.6							8.2	9.3
SW	.2	1.0	3.3	2.2	.7	.2						8.6	10.0
WSW		.2	1.6	.7	.2	.1						2.9	10.9
W	.5	1.3	3.0	2.6	.4	.2	.2					8.6	10.2
WNW	.1	1.1	2.0	.9	.1	.1						4.3	9.0
NW	.3	1.6	2.0	.7	.5	.1	.1					5.3	9.4
NNW	.2	.9	2.3	1.0	.2	.1						5.0	9.0
VARBL													
CALM												10.0	
	4.2	21.1	42.5	16.5	4.1	1.3	.2					100.0	8.1
TOTAL NUMBER OF OBSERVATIONS													1623

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-49, 53-68  
YEARS

APR  
MONTH

0600-0800  
HOURS (LST)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	MEAN WIND SPEED
N	.2	.9	1.1	.5								2.7
NNE	.2	.8	1.3	.8								3.2
NE	.5	1.8	2.1	1.1	.1	.1						5.7
NNE	.1	1.1	2.7	1.5	.2							7.5
E	.6	1.4	3.7	1.6	.2							4.2
ESE	.3	1.3	1.9	.5								5.0
SE	.2	1.5	2.6	.7	.1							4.7
SSE	.3	.8	2.7	.8	.2							11.0
S	.4	2.6	4.7	2.5	.9	.1						10.0
SSW	.2	1.5	4.7	2.5	.9	.1	.1	.1				7.4
SW	.1	1.0	2.5	2.2	.8	.2						5.2
WSW	.1	.9	2.5	1.0	.6	.1	.1	.1				7.2
W	.2	1.4	2.2	2.4	.9	.2	.1					5.4
WNW	.2	1.4	1.8	1.7	.4							5.8
NW	.8	1.5	2.6	.9	.5	.1						4.4
NNW	.2	.1	1.7	1.1	.4							
VARBL												4.7
CALM												
	4.0	21.2	40.9	21.5	5.6	.9	.2	.1				100.0
												8.9
												1711

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, NC, 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-49, 53-68  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (LST)

CONDITION

SPEED (KNTS) DIP	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	12	04	24	19								4.0	9.1
NNE	12	15	14	15	1							2.6	8.3
NE	11	19	18	18	4							4.1	9.7
ENE	11	17	23	15	2							4.9	9.8
E	12	16	41	24	3							7.9	9.8
ESE	10	19	20	10	1							4.2	8.6
SE	11	18	22	13	2	1						4.6	9.9
SSE		16	24	11	2	1						4.3	10.1
S	12	10	30	38	12	3	1					9.9	11.7
SSW	11	15	24	39	13	1						8.3	12.5
SW	11	14	28	46	10	5	2					10.1	12.4
WSW	12	14	26	33	10	4						7.9	12.3
W	11	15	24	38	7	9	3	1				10.0	12.2
WNW	12	14	16	20	8	2	1					5.3	12.2
NW	11	10	23	18	6	2						6.0	10.9
NNW	12	17	18	12	3	1						4.6	9.5
VARBL													
CAIM												1.4	
	2.7	11.1	37.7	33.8	9.9	2.7	1.0	1				100.0	11.1
TOTAL NUMBER OF OBSERVATIONS													1908

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILMINGTON WHID/CLINTON CU AFB  
STATION NAME

44-49, 53-68  
YEARS

YEARS

APR  
MONTH

1200-1400  
HOURS / LST

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	.4	.7	1.7	.8	.1	.1						3.7	8.6
NNE	.2	.9	1.8	.8	.2							3.9	9.1
NE	.3	.9	1.6	.9								3.8	8.6
ENE	.1	1.1	2.6	1.3	.3							5.3	9.5
E	.4	1.0	2.4	1.3	.4	.1						5.6	9.6
ESE	.2	.6	1.3	.9								3.0	8.8
SE	.2	1.1	1.4	.7	.2	.1						3.6	8.6
SSE	.2	.2	1.2	.7	.3							4.1	10.7
S	.2	.7	2.7	1.8	1.0	.3	1.1					8.8	12.2
SSW	.1	.6	2.0	1.4	1.9	.5	1.1					9.4	13.5
SW	.2	.8	2.4	1.4	2.3	.9	2.2					10.3	14.1
WSW	.2	.4	1.7	1.3	1.9	.8	2.2					8.3	14.5
W	.3	.7	1.9	1.3	1.9	.9	2.5					10.0	14.4
WNW	.1	.6	1.2	1.0	1.1	.7	1.3	1.1				6.9	14.8
NW	.3	.8	2.2	1.0	.9	.2		1.1				7.5	11.7
NNW	.1	.8	1.8	1.3	.2	.1						4.4	10.0
VARBL												1.1	
CALM												1.1	
	3.0	11.9	30.2	35.2	12.6	4.5	1.3	.2				100.0	11.9
													1917

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13041

WILMINGTON OHIO/CLINTON CU AFB

44-49, 53-68

YEARS

APR  
MONTH

1500-1700  
HOURS (EST)

ALL WEATHER  
CLASS

CONDITION

SPEED KNTS DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.2	2.6	1.4	.2							5.7	9.2
NNE	.3	1.2	2.2	.7	.2							4.6	8.4
NE	.3	.9	2.4	.9	.1							4.5	6.7
ENE	.2	.4	2.1	.8	.1	.1						3.5	9.7
E	.3	1.0	2.2	1.2	.3							4.9	9.0
ESE	.2	.0	1.4	.2								2.4	7.5
SE	.2	.9	1.1	.9								3.1	8.7
SSE	.1	.3	1.5	1.0	.4							3.5	10.8
S	.2	1.3	2.4	3.0	1.0	.4						9.5	11.0
SSW	.2	.8	2.6	3.3	1.6	.2	.1					9.0	12.5
SW		.7	1.9	4.3	1.7	.5		.1		.1		8.9	14.1
WSW	.2	.6	1.1	3.7	1.3	.5	.2					6.2	14.3
W	.3	.2	2.0	3.0	2.0	.6	.3	.1				10.4	13.7
WNW	.1	.6	1.9	3.3	1.4	.3	.3	.1				9.0	13.3
NW	.2	.9	2.0	3.6	1.0	.3						7.0	12.2
NNW	.3	.7	1.8	1.9	.6	.1						5.3	11.0
VARBL												2.1	
CALM													
	3.3	13.1	32.1	32.2	11.9	4.2	.7	.3	.1			100.0	11.5
	TOTAL NUMBER OF OBSERVATIONS												1964

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILMINGTON OHIO/CLINTON CW AFB  
STATION NAME

44-49, 53-68  
YEARS

ALL WEATHER  
CLASS

APR  
MONTH

1800-2000  
HOURS U.S.T.

CONDITION

SPEED KNTS DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.5	3.0	1.0	1.1							6.1	7.9
NNE	1.4	1.1	1.5	1.5	1.1							3.6	7.7
NE	1.3	1.0	2.5	1.0								5.9	7.7
ENE	1.3	1.3	2.0	1.4								5.4	8.5
E	1.5	1.7	2.0	1.5	1.1							5.6	7.5
ESE	1.7	1.1	1.3	1.3								3.6	6.9
SE	1.4	1.4	1.0	1.3								3.7	7.1
SSE	1.2	1.2	1.2	1.2								3.1	8.0
S	1.6	2.5	3.0	2.0	1.1	1.1						9.1	8.5
SSW	1.4	1.0	2.5	2.0	1.7		1.1					7.3	10.2
SW	1.4	1.1	1.5	1.8	1.3	1.2						6.9	9.7
WSW	1.4	1.1	1.1	1.0	1.7	1.3	1.1					5.1	11.7
W	1.4	1.0	1.1	1.0	1.0	1.3	1.1	1.1				7.6	10.9
WNW	1.4	1.2	1.8	1.8	1.2	1.2	1.2					7.2	12.6
NW	1.4	1.6	3.0	1.9	1.9	1.6	1.1	1.1				7.8	10.2
NNW	1.4	1.2	1.0	1.1	1.1	1.2						4.6	9.5
VARBL												7.5	
CALM												100.0	8.6
	6.5	23.3	34.8	20.1	5.4	2.0	1.5	1.1				196.5	
	TOTAL NUMBER OF OBSERVATIONS												



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13041  
STATION

WILMINGTON MID/CANTON CU AFB  
STATION NAME

44-49-53-68  
YEARS

ALL WEATHER  
CLASS

APR  
MONTH

2100-2300  
HOURS (EST)

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.8	2.5	1.1	.1							3.9	8.0
NNE	.9	1.2	1.8	.7	.1							4.3	7.5
NE	.6	4.0	3.1	1.0	.1							6.8	7.9
ENE	.3	1.1	2.2	1.3	.1							3.0	8.0
E	.7	2.1	3.3	.9	.2							7.2	7.7
ESE	.6	1.5	1.5	.2	.1							3.7	6.5
SE	.0	1.8	2.2	.6								3.2	7.0
SSE	.2	.9	1.4	.8	.2							3.4	8.9
S	.9	3.2	3.6	1.3	.1	.1	.1					9.5	7.3
SSW	.2	1.7	3.1	1.6	.5	.1	.1	.1				7.4	10.0
SW	.4	1.8	2.9	1.2	.2	.1						6.6	8.6
WSW	.2	.7	1.1	1.0	.5	.2						3.6	10.9
W	.4	1.1	1.4	1.8	.8	.1						2.3	10.7
WNW	.2	1.2	1.9	1.3	.7	.4						3.9	11.4
NW	.4	1.4	2.0	1.5	.1	.1						2.6	9.5
NNW	.2	.7	1.3	.7	.2							3.2	8.9
VARBI													
CALM												11.2	
	6.0	24.2	33.4	17.4	4.0	1.0	.1	.1				100.0	7
												TOTAL NUMBER OF OBSERVATIONS	19

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28601

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

19841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-49,53-68  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS 15T

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.1	2.2	.9	.1	.0						4.6	8.5
NNE	1.3	.9	1.5	.6	.1	.0						3.4	8.1
NE	1.4	1.3	2.4	1.1	.1	.0						5.6	8.3
ENE	1.2	.9	2.5	1.2	.2	.0						5.0	9.2
E	1.5	1.3	3.1	1.3	.2	.0						6.6	8.9
ESE	1.4	1.1	1.7	.2	.0	.0						3.7	7.5
SE	1.2	1.2	1.9	.7	.0	.0						4.1	8.0
SSW	1.1	.9	1.8	.8	.2	.0						3.9	9.0
S	1.3	2.2	3.8	2.5	.7	.2	.0					9.9	9.3
SSW	1.2	1.2	3.0	2.7	1.0	.2	.0	.0				8.4	11.2
SW	1.2	1.1	3.8	2.8	1.0	.4	.1	.0	.0			8.3	11.6
WSW	1.1	.9	1.6	1.9	.8	.2	.1	.0				5.3	12.4
W	1.3	1.3	2.0	2.9	1.1	.5	.2	.0	.0			8.4	12.3
WNW	1.2	.9	1.7	2.0	.8	.5	.1	.0				6.2	12.5
NW	1.3	1.2	2.3	1.7	.7	.1	.0	.0				6.3	10.4
NNW	1.3	.9	1.7	1.2	.3	.1						4.4	9.7
VARBL													
CALM												5.9	
	4.3	18.5	36.1	24.9	7.3	2.3	.5	.1	.0			100.0	9.6

TOTAL NUMBER OF OBSERVATIONS

14759

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-49, 53-68  
YEARS

YEAR

DAY  
MONTH

0000-0200  
HOURS (LST)

ALL WEATHER  
CLASS

CONDITION

SPEED (KTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.9	1.4	.3	.1							3.5	5.9
NNE	1.0	1.9	2.1	.9	.1							3.3	7.8
NE	1.3	2.5	3.2	.7								6.8	7.4
ENE	1.4	1.6	1.3	.5								3.6	6.8
E	1.0	2.8	2.0	.3								6.1	5.8
ESE	1.0	1.4	1.1	.2								3.6	3.5
SE	1.9	2.0	1.3	.2								4.5	5.9
SSE	1.4	2.2	1.7	.7	.2							5.2	7.2
S	1.6	3.4	4.0	1.6	.2							10.8	7.5
SSW	1.7	2.6	4.5	1.3	.3							8.7	8.3
SW	1.0	2.1	2.9	1.0	.1							7.1	7.3
WSW	1.4	1.9	1.9	.9	.1							4.7	8.1
W	1.7	1.3	2.1	.6	.1							4.8	7.3
WNW	1.2	1.0	1.6	.2	.3							3.2	8.3
NW	1.5	1.1	1.9	.5	.1	.1						4.2	7.7
NNW	1.4	1.2	1.2	.3	.1							3.2	7.5
VARBL													
CALM												14.7	
	11.1	28.1	34.2	10.1	1.7	.1						100.0	6.2
TOTAL NUMBER OF OBSERVATIONS													1762

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28001

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILKINGTON OHIO/CLINTON CU AFB  
STATION NAME

44-49,53-68  
YEARS

MAY  
MONTH

0300-0500  
HOURS (LST)

ALL WEATHER  
CLASS

CONDITION

SPEED KNTS DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	10.	1.1	1.2	1.0								3.4	7.2
NNE	1.3	1.2	1.3	1.7	1.1							3.7	8.1
NE	1.4	2.7	3.4	1.1								7.5	7.9
ENE	1.3	1.1	2.2	1.2								3.8	7.2
E	1.1	2.5	1.5	1.2								5.3	5.7
ESE	1.7	1.6	1.5	1.1								3.9	5.9
SE	1.0	1.9	2.1	1.3								4.9	6.5
SSE	1.4	1.4	1.2	1.2	1.1							3.3	6.9
S	1.5	3.9	4.5	1.9	1.2							12.0	7.6
SSW	1.9	2.8	4.5	2.1	1.2							10.2	8.4
SW	1.7	2.5	3.6	1.8			1.					8.7	8.1
WSW	1.5	1.4	1.8	1.6	1.			1.				4.3	7.6
W	1.0	2.4	1.8	1.5		1.						5.4	6.8
WNW	1.1	1.8	1.2	1.2	1.		1.					2.4	8.3
NW	1.6	1.5	1.5	1.8	1.2							4.5	7.5
NNW	1.3	1.9	1.1	1.6								2.8	7.4
VARBL													
CALM												14.0	
	9.4	29.3	34.4	11.7	1.1	1.	1.					100.0	6.4
TOTAL NUMBER OF OBSERVATIONS													1697

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-49,53-68  
YEAR

YEAR

DAY  
MONTH

0600-0800  
HOURS (LST)

ALL WEATHER  
CLASS

CONDITION

SPEED KNTS DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.0	2.1	.0	.1							4.2	8.7
NNE	.4	.7	1.3	1.0								3.5	8.3
NE	.4	1.4	2.6	.7	.1							5.9	7.8
ENE	.2	1.3	2.6	.9	.1							5.1	8.1
E	.5	2.1	2.7	.3	.1							6.0	6.7
ESE	.4	1.1	1.6	.1								3.3	6.3
SE	.4	1.3	2.0	.0								4.2	7.3
SSE	.6	.8	1.3	.3	.1							3.1	7.2
S	.4	3.4	4.5	2.3	.7							11.9	8.5
SSW	.6	1.8	4.5	2.4	.4							10.0	9.1
SW	.7	2.0	3.9	2.7	.3	.1						9.8	9.2
WSW	.4	1.0	3.3	1.2	.1							6.7	8.1
W	.0	2.2	3.0	1.2	.2	.1						7.4	8.2
WNW	.3	1.1	1.5	.4	.2		.1					3.6	8.2
NW	.0	1.1	1.7	.7	.1							4.3	7.9
NNW	.3	.7	1.5	.3	.1	.1						3.0	8.2
VARBL													
CALM												8.0	
	8.4	24.2	40.3	10.0	2.6	.2	.1					100.0	7.5
TOTAL NUMBER OF OBSERVATIONS													1782

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13841  
STATION

WILMINGTON OHIO/CLINTON CW AFB  
STATION NAME

44-49, 53-66  
YEARS

YEARS

ALL WEATHER  
CLASS

DAY  
MONTH

0900-1100  
HOURS (E.S.T.)

CONDITION

SPEED (KNTS) DIR	1	4	6	7	10	11	16	17	21	22	27	28	33	34	40	41	47	48	55	≥ 56	%	MEAN WIND SPEED
N	.1	.9	1.4	.7	.4	.1															2.5	9.8
NNE	.4	.9	1.7	.9	.1																3.8	8.7
NE	.4	1.2	2.0	.9																	4.2	8.4
NNE	.5	1.0	2.1	1.0	.1																4.7	8.2
E	.0	1.4	2.8	.0																	5.4	7.5
ESE	.3	1.7	1.6	.6																	3.2	7.9
SE	.4	1.3	2.2	.9																	4.8	7.9
SSE	.2	1.0	1.8	.5																	3.3	8.3
S	.3	1.1	4.1	.5	.1																8.6	10.2
SSW	.4	1.3	3.2	.0	.6																8.4	10.3
SW	.5	1.3	4.2	.9	1.4																12.3	11.2
WSW	.2	1.3	3.3	.2	.7																8.7	10.2
W	.2	1.7	4.8	.9	.7																10.9	10.4
WNW	.3	1.1	2.2	.7	.2																5.7	10.1
NW	.1	1.3	2.7	.7	.4																6.4	10.0
NNW	.1	1.0	1.8	.1	.1																3.9	9.0
VARBL																						
CALM																					2.5	
	4.3	10.4	42.1	25.9	5.4	1.4															100.0	9.5
TOTAL NUMBER OF OBSERVATIONS																						1906

DATA PROCESSING DIVISION  
ETAG, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILMINGTON OHIO/CLINTON CU AFB  
STATION NAME

44-49, 53-68

YEARS

DAY  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.8	1.7	2.0	1.3							4.9	10.3
NNE	1.1	1.1	1.3	1.0	1.2							3.5	7.3
NE	1.4	1.2	2.1	1.9								4.6	8.1
ENE	1.2	1.2	1.4	1.6	1.1							3.2	8.2
E	1.3	1.2	1.7	1.9								3.7	7.7
ESE	1.3	1.3	1.1	1.2								2.0	7.5
SE	1.3	1.3	1.4	1.4								2.8	7.7
SSE	1.4	1.5	1.7	1.4								2.9	7.9
S	1.2	1.3	2.7	2.7	1.5							9.6	9.3
SSW	1.2	1.3	3.1	3.2	1.4							9.4	11.3
SW	1.2	1.3	3.9	3.9	1.8	1.1						12.2	14.9
WSW	1.7	1.5	2.9	3.2	1.0	1.3						8.5	11.2
W	1.1	1.3	4.0	4.3	1.7	1.7	1.1					12.2	12.1
WNW	1.3	1.0	1.7	2.3	1.0	1.3						6.5	11.6
NW	1.3	1.9	2.0	2.0	1.4	1.2						5.7	10.5
NNW	1.6	1.0	2.0	1.3	1.2	1.1	1.1					4.7	9.2
VARBL													
CALM												3.7	
	4.9	16.5	35.5	28.8	8.5	2.0	1.1					100.0	10.0
												TOTAL NUMBER OF OBSERVATIONS	1974

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILMINGTON OHIO/CLINTON CU AFB  
STATION NAME

44-49, 53-68  
YEARS

DAY  
MONTH

1500-1700  
HOURS (LST)

ALL WEATHER  
CLASS

CONDITION

SPEED KNTS DIR	1 3	4 6	7 10	11 16	17	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	17	18	20.2	1.2	14	10	10					5.3	9.5
NNE	12	19	1.6	1.1	12	10						4.1	9.5
NE	12	18	2.1	1.0	12							4.3	9.3
ENE	13	17	1.6	1.6	11							3.3	8.1
E	14	19	1.1	1.4		10						2.9	7.4
ESE	15	18	1.8	1.1								2.1	6.6
SE	16	18	1.4	1.5								3.3	7.3
SSE	12	17	1.8	1.5	10							2.4	8.1
S	10	13	3.8	2.2	15	11						8.7	9.7
SSW	14	10	3.7	3.3	10	12						9.6	11.1
SW	10	18	3.7	3.3	10	11						10.8	10.4
WSW	13	12	3.1	2.0	9	11						7.9	10.2
W	13	12	3.4	2.9	10	7	11	10				12.2	12.5
WNW	18	11	2.2	2.4	9	11						7.5	10.4
NW	12	14	3.0	2.2	10	11						8.5	10.6
NNW	11	17	1.3	1.3	11	11						3.8	10.4
VARBL													
CALM												3.3	
	6.1	16.3	36.4	27.6	8.1	1.7	12	10				100.0	9.9
TOTAL NUMBER OF OBSERVATIONS													2034



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12841  
STATION

WILMINGTON UNIV/CLINTON CL AFB  
STATION NAME

44-49, 53-68  
YEARS

YEARS

JAY  
MONTH

1800-2000  
HOURS (EST)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.9	1.9	1.1	.1							5.7	7.6
NNE	.5	1.2	2.2	.6	.1	.1						4.8	8.1
NE	.4	2.4	2.1	.5	.2	.0						6.1	7.2
ENE	.2	1.9	1.5	.1								3.8	6.2
E		1.3	1.2	.2								2.4	6.3
ESE	.5	1.6	.7	.0	.0							2.9	8.7
SE	.5	1.1	.8	.2								2.6	6.0
SSF	.5	1.3	1.3	.2	.0	.0						3.6	7.0
S	1.1	2.2	2.4	1.4	.2	.0						9.3	7.5
SSW	.6	2.9	3.2	1.9	.4							9.1	8.5
SW	1.0	2.9	3.4	1.5	.2							9.1	7.7
WSW	.9	1.9	2.2	1.7	.1		.1					6.3	8.3
W	.9	2.2	4.1	1.2	.4	.1						9.5	8.7
WNW	.5	2.9	1.7	1.3	.2	.1		.0				4.8	9.4
NW	.9	1.4	2.1	1.4	.4	.1	.0					6.0	9.2
NNW	.5	1.2	1.9	.7	.1	.1						4.5	8.2
VARBL													
CALM												8.7	
	10.3	29.1	33.6	14.6	2.8	.6	.1	.0				100.0	7.2
TOTAL NUMBER OF OBSERVATIONS													2031

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILMINGTON OHIO/CLINTON CU AFB  
STATION NAME

44-49, 53-68  
YEARS

ALL WEATHER  
CLASS

MAY  
MONTH  
2100-2300  
HOURS (EST)

CONDITION

SPEED KNOTS DIR	1 3	4 5	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.8	1.1	.4	.1							4.6	6.3
NNE	.7	1.4	2.1	.6	.1	.0						3.0	7.4
NE	1.0	2.6	2.5	.7	.0							6.8	6.7
NNE	.5	1.8	1.4	.1	.0							3.9	6.3
E	.7	2.2	1.2	.4								4.5	6.3
ESE	.8	1.7	1.1	.1								3.8	5.7
SE	1.0	3.0	1.5	.1								5.6	2.7
SSE	.4	1.2	1.8	.5								4.2	7.0
SSW	1.8	3.4	3.7	1.1	.1							10.1	6.9
SW	.6	3.0	2.0	1.5	.3	.0						8.6	8.0
WSW	1.0	3.0	2.8	.6	.1	.0						7.5	7.1
W	.3	1.9	1.4	.5	.2							4.4	7.8
WNW	.6	1.7	2.0	.7	.2	.1						5.4	7.9
WW	.2	1.3	1.2	.6	.2							3.5	8.4
WNW	.2	1.0	2.2	.5	.0	.0		.0				4.1	8.8
NNV	.2	.9	.8	.4	.1							2.5	8.0
VARUL													
CALM												15.3	
	11.4	32.2	29.9	9.1	1.7	.2		.0				100.0	6.0
TOTAL NUMBER OF OBSERVATIONS													2022

USAF ETAC FORM 10-64 085101 1-64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-49, 53-68  
YEARS

DAY  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS

CONDITION

SPEED INTS. DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.2	1.0	.7	.2	.0	.0					4.4	3.4
NNE	.4	1.1	1.7	.9	.1	.0						4.2	8.3
NE	.5	1.9	2.5	.8	.1	.0						5.7	7.7
ENE	.2	1.3	1.7	.5	.1							3.9	7.4
E	.7	1.8	1.8	.4	.0	.0						4.6	6.6
ESE	.5	1.2	1.2	.2	.0							3.1	6.3
SE	.0	1.5	1.6	.4								4.1	6.7
SSE	.4	1.1	1.5	.4	.1	.0						3.5	7.4
S	1.1	2.6	4.0	2.0	.4	.0						10.0	8.4
SSW	.6	2.0	3.7	2.4	.6	.1						9.2	9.4
SW	.7	2.2	3.6	2.4	.6	.2	.0					9.7	9.5
WSW	.5	1.4	2.5	1.0	.4	.1	.0					6.2	9.4
W	.5	1.7	2.2	2.2	.6	.3	.0	.0				8.3	10.0
WNW	.3	1.0	1.7	1.2	.4	.1	.0	.0				4.7	9.8
NW	.4	1.2	2.1	1.2	.3	.1	.0	.0				5.5	9.4
NNW	.3	1.0	1.5	.8	.1	.0	.0					3.6	8.7
JAPBI													
CALA												8.6	
	0.2	24.2	35.8	18.2	4.1	.8	.1	.0				100.0	7.9
TOTAL NUMBER OF OBSERVATIONS													1528

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-49,53-68  
YEARS

YEARS

JUN  
MONTH

0000-0200  
HOURS (EST)

ALL WEATHER  
CLASS

CONDITION

SPEED KNOTS DIP	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	.17	.08	1.2	.0								3.3	6.9
NNE	1.0	1.4	.8	.2								3.3	5.4
NE	.0	1.3	1.3	.2								3.8	6.0
ENE	.17	1.2	2.3	.2								4.3	6.7
E	1.4	2.1	1.4	.2								5.1	5.5
ESE	1.0	1.4	.7	.1								3.2	4.9
SE	1.5	2.6	.8	.1								5.0	4.5
SSE	1.4	2.2	1.2	.4								5.2	5.4
S	2.5	5.8	4.8	.8	.1							13.7	6.1
SSW	1.7	2.2	2.5	.5	.1	.1						7.1	6.5
SW	1.4	2.2	2.5	1.1	.1							7.3	7.2
WSW	.0	1.4	1.5	.3								3.9	7.1
W	.0	.9	2.0	.0	.1							4.1	7.7
WNW	.0	.8	.9	.3	.1							2.6	6.7
WW	1.4	1.5	1.0	.2								2.0	7.1
NNW	.5	1.2	.4	.1								2.2	5.4
VAPBL												23.8	
CAIM													
	16.0	20.3	23.1	5.7	.4	.1						100.0	4.7
													1682

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 0851011 PREPARED BY THE ETAC SYSTEM ARE CRJ/ETC

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13861  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-49, 52-68  
YEARS

MONTH

JUN

ALL WEATHER  
CLASS

0300-0500  
HOURS (LST)

CONDITION

SPEED KNTS DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.4	1.5	.2	.1							3.8	6.3
NNE	.8	1.2	1.0									3.0	5.4
NE	.7	1.9	1.2	.2								4.1	5.7
ENE	.4	1.7	2.2	.1								4.3	6.6
E	1.0	3.1	1.8	.1								6.0	5.6
ESE	.8	1.5	.4									2.7	4.6
SE	1.1	1.8	.7									3.6	4.8
SSE	.7	2.2	1.0	.2								4.1	5.8
S	2.0	4.9	5.9	.5				.1				14.5	6.2
SSW	1.5	2.0	2.3	.9	.2							8.0	7.2
SW	1.5	2.0	2.7	.9	.1							7.2	6.8
WSW	.5	1.2	1.4	.2	.1							3.3	6.5
W	1.0	1.0	1.9	.4	.1							4.3	6.7
WNW	.1	.2	.7	.1								1.4	6.9
NW	.7	.7	1.2	.2								2.8	6.4
NNW	.9	1.0	.5	.1								2.3	5.5
VARBI													
CALM												24.6	
	15.2	28.1	27.2	4.3	.4		.1					100.0	4.7
												TOTAL NUMBER OF OBSERVATIONS	162

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-49, 53-60  
YEARS

YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS-UT ST

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.2	1.8	.9								4.2	7.2
NNE	.6	1.0	1.0	.2								2.9	6.3
NE	1.0	1.4	1.5	.5	.1							4.4	6.3
ENE	.6	2.3	2.4	.6								5.9	6.9
E	.9	2.7	2.6	.2								6.5	6.3
ESE	.6	1.3	.8	.1								2.9	5.8
SE	1.4	1.7	.9	.1								3.8	4.7
SSE	.9	2.3	.9	.1								4.1	5.4
S	2.0	3.7	2.1	1.7	.2	.1						13.0	7.3
SSW	1.3	3.0	3.5	2.0	.4							10.1	8.0
SW	.9	3.4	3.4	1.4	.1	.1						9.2	7.3
WSW	1.1	1.6	1.8	.6								5.2	6.4
W	.7	1.5	3.0	1.3	.2							6.7	8.3
WNW	.2	1.6	.9	.3								2.2	7.2
NW	.8	1.3	1.2	.5								3.7	6.6
NNW	.5	.5	1.0	.1								2.1	6.1
VARBL													
CALM												13.0	
	14.0	30.0	31.5	10.3	1.0	.1						100.0	6.9
TOTAL NUMBER OF OBSERVATIONS													1579

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-49, 53-68  
YEARS

YEARS

JUN  
MONTH

0900-1100  
HOURS (LST)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS DIR	1 3	4 6	7 10	11 16	17 21	27 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.1	2.4	.7								5.2	7.1
NNE	.2	.9	1.4	.5	.1							3.3	7.3
NE	.4	1.5	2.5	.7								5.1	7.5
ENE	.0	1.1	2.3	.2								4.5	7.5
E	.8	1.7	2.0	.3								4.7	6.7
ESE	.3	1.7	1.2	.3								3.5	6.2
SE	.3	1.2	.7	.1								2.5	5.9
SSE	.6	.3	.9	.2								2.2	6.4
S	1.1	3.0	4.0	1.1	.4	.1						10.4	8.2
SSW	.5	2.0	4.3	2.7	.7	.1						10.3	9.6
SW	.5	2.2	5.7	3.3	.7	.1						12.5	9.6
WSW	.2	2.2	2.7	2.3	.5							9.0	9.4
W	.7	3.5	4.2	2.0	.2							11.9	8.7
WNW	.3	1.1	1.8	1.0	.1	.1						4.4	8.6
NW	.7	.7	1.9	.5								3.8	7.4
NNW	.4	.6	.3	.2								2.5	7.0
VARBL													
CALM												4.1	
	9.0	25.2	40.4	18.0	3.0	.2						100.0	7.9
TOTAL NUMBER OF OBSERVATIONS													1892

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-49,53-68  
YEARS

ALL WEATHER  
CLASS

JUN  
MONTH

1200-1400  
HOURS (LST)

CONDITION

WIND DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34-40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.5	2.3	.8	.1							5.8	7.5
NNE	.2	.9	1.5	.2								2.7	7.0
NE	.5	1.0	1.6	.6								3.8	7.4
ENE	.3	.8	1.8	.3								3.3	7.8
E	.4	1.9	2.2	.6								5.1	7.0
ESE	.3	1.0	.8	.2								2.2	6.3
SE	.2	.8	.5	.2								1.7	6.7
SSE	.3	1.1	.8	.4								2.9	7.1
S	1.0	2.0	3.7	1.7	.3	.1						9.6	8.2
SSW	.4	1.6	3.6	3.0	.7	.1						9.8	10.3
SW	.3	1.7	4.8	4.5	1.8	.1						13.2	11.0
WSW	.4	1.6	5.4	3.1	.6	.1						11.2	10.9
W	.6	2.0	4.3	2.4	1.1	.3						11.4	9.9
WNW	.5	1.1	1.4	1.3	.3							4.7	9.0
NW	.4	1.6	1.7	.8	.2	.1						4.6	8.0
NNW	.5	1.3	1.7	.6	.1							4.2	7.6
VARBL													
CALM												4.3	
	7.2	23.3	38.2	21.0	5.2	.8						100.0	8.5
TOTAL NUMBER OF OBSERVATIONS													1857



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILMINGTON OHIO/CLINTON CW AFB  
STATION NAME

44-49, 53-68  
YEARS

YEARS

JUN  
MONTH

1500-1700  
HOURS (EST)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	.6	2.1	2.4	1.5	.2	.1						6.2	8.4
NNE	.5	1.2	1.2	.7	.1							3.6	7.6
NE	.3	1.0	1.1	.7								3.4	7.6
ENE	.3	1.2	1.4	.5								3.4	7.6
E	.7	1.5	2.2	.3								4.6	6.9
ESE	.4	1.2	.8	.1								2.5	6.2
SE	.4	1.1	.9	.1								2.3	5.9
SSE	.2	1.1	.9	.2								2.3	6.7
S	.9	2.2	4.0	1.8	.2	.1						9.1	8.6
SSW	.9	1.8	2.0	2.9	.3	.1						10.9	9.2
SW	.5	2.2	4.9	3.8	.9	.1						12.4	10.0
WSW	.9	1.4	3.4	2.3	1.1	.1						8.8	10.4
W	1.1	2.2	2.0	2.9	1.0	.1	.1					10.4	9.8
WNW	.4	1.5	1.2	1.7	.2	.1	.1					5.2	9.4
NW	.4	1.4	1.8	1.1	.5							5.3	9.0
NNW	.5	1.0	1.8	.7	.1	.1						4.0	8.2
VARBL													
CALM												4.6	
	8.6	24.1	36.2	21.4	4.9	.6	.1					100.0	8.4
TOTAL NUMBER OF OBSERVATIONS													1937

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28601

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13841  
SECTION

WILMINGTON OHIO/CLINTON CU AFB

44-49, 53-68

YEARS

YUN  
MONTH

1800-2000  
HOURS (LST)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34-40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.1	1.8	.9	.1							6.8	6.5
NNE	.6	.9	1.4	.8	.2							3.0	3.4
NE	.5	1.3	1.5	.5	.1							3.8	7.2
ENE	.2	1.2	1.5	.2								3.1	6.7
E	.9	2.2	1.7	.1								4.9	5.8
ESE	.7	1.2	.6									2.5	5.1
SE	1.1	1.9	.8	.1								2.9	5.0
SSE	.5	1.0	.9	.3								2.7	6.4
S	2.2	4.4	4.0	1.0	.1							11.6	6.4
SSW	1.5	3.1	3.4	1.3	.2							9.6	7.3
SW	1.6	3.7	4.0	1.2	.3	.1						11.1	7.1
WSW	.6	2.3	2.4	.8	.2							6.2	7.5
W	1.2	1.9	2.1	1.2	.3		.1					7.6	8.2
NNW	.3	.9	1.0	.5	.3							2.0	8.5
NW	.4	1.2	1.2	1.4	.2	.1						4.5	9.1
NNW	.7	1.5	1.3	.3								3.9	6.5
VARBL												11.1	
CALM													
TOTAL NUMBER OF OBSERVATIONS	14.5	31.4	30.3	10.7	1.8	.2	.1					100.0	6.2

USAF ETAC FORM 085 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUL 64

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-49, 53-68  
YEARS

YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (LST)

CONDITION

SPEED (KNTS, DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.4	1.4	.1								3.8	6.0
NNE	1.1	1.2	.5	.4	.2							3.8	6.5
NE	.8	2.0	1.5	.3								4.6	6.3
ENE	.5	1.6	1.4	.3								3.8	6.6
E	1.2	2.5	1.0	.4	.1							5.3	5.6
ESE	1.2	1.4	.3									3.5	4.2
SE	1.2	2.0	.5	.1								4.5	4.9
SSE	.9	1.6	1.4	.1								4.1	5.9
S	2.9	5.2	3.4	.6	.1							14.1	6.2
SSW	1.2	2.3	2.4	.8	.1							6.2	6.9
SW	.8	2.9	2.7	.9	.1							7.4	7.0
WSW	.8	1.5	1.1	.6		.1						3.6	6.7
W	.9	1.2	1.5	.7	.1							4.2	7.2
WNW	.1	.9	.6	.3								1.4	8.2
NW	.6	.8	.4	.1								2.5	7.2
NNW	.3	1.0	.5	.1								1.8	5.7
VARBL													
CALM												24.6	
	15.5	30.0	23.2	9.2	7.1	1.1						100.0	4.7
TOTAL NUMBER OF OBSERVATIONS													1936

1  
[ ]

7

ALL WEATHER  
CLASS

YEARS

JOY  
MOUTH

ALL  
HOURS (LST)

CONDITION

847

USAF ETAC FORM 085 (OL) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUL 64

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-45, 47-49, 53-58  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.9	1.5	.4	.1	.1						4.7	6.7
NNE	.9	1.8	.8	.1								3.6	4.9
NE	1.6	4.0	1.7									7.3	5.3
ENE	.6	2.0	1.0	.1								3.7	5.7
E	1.1	3.2	1.3									5.7	5.2
ESE	.5	2.0	.4	.1								3.0	5.0
SE	1.0	2.4	.4									3.8	4.6
SSE	.7	1.3	.6		.1							2.6	5.2
S	2.2	5.8	3.5	.6								12.3	6.0
SSW	1.4	2.3	2.8	.5								6.8	6.1
SW	1.3	3.0	2.9	.5	.1							7.6	6.3
WSW	.2	1.1	1.2	.6								3.4	7.5
W	.7	1.3	1.2	.4			.1					3.7	6.8
WNW	.2	1.0	.2	.1								1.6	5.1
NW	.3	1.9	.9									3.0	5.6
NNW	.4	.8	.9									2.0	5.7
VARBL													
CALM												25.5	
	14.1	35.0	21.3	3.2	.2	.1	.1					100.0	4.3
TOTAL NUMBER OF OBSERVATIONS													1575

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-45, 47-49, 53-68  
YEARS

JUL  
MONTH

0300-0500  
HOURS (LST)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.8	.8	.5								4.0	6.0
NNE	.2	2.6	.9									4.1	5.3
NE	2.2	3.4	.9									6.5	4.6
ENE	.8	1.4	1.1									3.2	3.5
E	1.6	3.3	1.1	.1								6.2	3.0
ESE	.9	1.5	.5									3.4	4.7
SE	1.6	1.7	.2	.1								3.6	4.4
SSE	.7	1.1	.4									2.2	5.0
S	1.5	4.1	2.6	.5								9.6	6.1
SSW	1.0	2.7	2.2	.3								6.1	6.1
SW	1.5	3.6	2.6	.2								8.9	6.0
WSW	.7	2.0	1.5									4.2	6.0
W	1.0	2.0	1.6	.3								4.9	6.2
WNW	.6	.4	.7									1.7	3.7
NW	.7	1.6	1.1	.1								3.4	3.7
NNW	.5	.4	.4		.1							1.3	3.7
VARBL													
CALM												26.7	
	16.4	34.4	20.6	1.9	.1							100.0	4.1
TOTAL NUMBER OF OBSERVATIONS													1516

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILMINGTON OHIO/CANTON OH AFB  
STATION NAME

44-45, 47-49, 53-68  
YEARS

JUL  
MONTH

0600-0800  
HOURS (LST)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.3	1.4	1.2								3.1	6.8
NNE	1.0	1.6	1.3	1.1								3.8	5.7
NE	1.0	3.9	1.5	1.2	1							6.8	5.6
ENE	1.7	2.7	2.1	1								5.6	6.1
E	1.2	4.3	2.1	1.2								7.7	5.6
ESE	1.9	1.7	1.7	1.2								3.3	5.0
SE	1.6	2.4	1.5	1.1								3.7	4.7
SSE	1.6	1.8	1.5	1.1								1.9	2.1
S	1.6	4.4	2.5	1.7								10.2	6.3
SSW	1.8	3.4	3.0	1.6								7.9	6.7
SW	1.2	2.0	2.7	1.1	1							9.0	7.2
WSW	1.6	3.0	2.1	1.6								6.2	6.9
W	1.0	1.8	2.2	1.4								5.4	6.5
WNW	1.0	1.0	1.8	1.1	1							2.7	6.0
NW	1.5	1.1	1.1	1.4								3.2	6.7
NNW	1.4	1.0	1.7	1.1								2.2	6.1
VARBL													
CALM												17.3	
	13.2	37.2	27.2	4.9	1.2							100.0	5.1
TOTAL NUMBER OF OBSERVATIONS													1656

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-45, 47-49, 53-68  
YEARS

JUL  
MONTH

0900-1100  
HOURS/15 T

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	0.5	2.0	1.0	0.4								4.2	6.3
NNE	0.5	1.2	1.8	0.3								3.8	7.7
NW	0.6	2.2	2.7	0.5								6.0	7.0
ENE	0.7	2.3	2.2	0.6								5.8	6.8
E	0.5	3.1	2.9	0.8								6.3	6.4
ESE	0.5	1.3	0.9	0.1								2.9	5.0
SE	0.9	1.5	0.9	0.1								3.0	5.8
SSE	0.8	1.0	0.7	0.2								2.5	6.1
S	0.9	2.4	2.5	0.8	0.1							6.5	7.3
SSW	0.7	1.8	3.3	0.3	0.2							7.3	6.2
SW	0.9	2.6	4.9	0.6	0.3	0.1						11.6	8.8
WSW	0.5	2.7	4.4	2.0	0.3	0.1						10.0	8.5
W	1.1	3.0	4.5	2.4	0.3							11.3	8.2
WNW	0.8	1.1	1.9	0.8								4.5	7.4
NW	0.8	1.3	1.7	0.9								4.5	7.9
NNW	0.9	0.9	1.6	0.2								3.0	6.6
VARBL													
CALM												6.3	
	10.5	30.3	37.5	13.3	1.3	0.1						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

1859



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILMINGTON OHIO/CLINTON J. D. AFB  
STATION NAME

44-45, 47-49, 53-68  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	MEAN WIND SPEED
N	.8	2.2	1.7	.3								5.2
NNE	.4	1.5	1.8	.4				.1				4.2
NE	.4	2.1	2.2	.5	.1							5.3
ENE	.4	1.9	1.8	.5								4.5
E	.5	2.7	1.5	.3								5.2
ESE	.4	1.1	.6	.2								2.4
SE	.3	1.1	.6	.1								2.1
SSE	.2	1.2	.5	.3								2.1
S	1.2	2.2	2.6	1.4	.1							7.5
SSW	.3	2.0	4.0	1.4	.3	.2						8.1
SW	.2	2.7	3.2	3.1	.4	.3						12.0
WSW	.4	2.1	4.3	3.2	.5	.2	.1					10.7
W	.4	2.8	3.3	2.9	.7	.2						12.4
WNW	.5	1.2	1.6	1.3	.1			.1				4.8
NW	.3	1.1	2.1	1.5	.2	.1						5.2
NNW	.5	1.3	1.5	.7								4.3
VARBL												3.9
CALM												
	7.7	29.6	37.4	18.1	2.3	.9	.1	.1				100.0
TOTAL NUMBER OF OBSERVATIONS												1874

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-45, 47-49, 53-68  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

1800-1700  
HOURS (EST)

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	MEAN WIND SPEED
N	.9	1.8	5.5	.9	.1	.1						5.8
NNE	.5	2.2	2.2	.7	.1							6.2
NE	.9	2.6	1.8	.6								5.9
ENE	.6	1.8	1.0	.2								3.5
E	.5	2.4	1.3	.2								4.4
ESE	.2	1.2	1.1									2.5
SE	.2	1.0	1.1	.1								2.4
SEF	.2	1.2	.6	.2								2.4
S	.7	2.1	3.0	1.1								6.9
SSW	.7	2.0	3.3	1.2	.4							7.2
SW	.3	2.3	5.9	3.1	.4	.1						12.0
WSW	.3	2.0	3.9	2.7	.2	.1						9.1
W	.8	4.0	4.6	3.3	.4	.1		.1				13.3
WNW	.3	.8	2.1	1.1	.3							4.6
NW	.2	1.4	2.6	1.6	.2							6.5
NNW	.4	1.0	1.3	1.0								3.8
VARBL												3.4
CALM												
	7.4	39.9	39.9	17.8	2.1	.3		.1				102.0
												7.9
												1931

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C., 28001

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13841  
STATION

WILMINGTON OHIO/CLINTON CU AFB  
STATION NAME

44-45, 47-49, 53-68  
YEARS

JUL  
MONTH

1800-2000  
HOURS (EST)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS), Dir	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.9	2.4	.4								7.2	5.9
NNE	1.1	2.2	1.7	.6								2.5	6.2
NE	.9	2.7	1.1	.1	.1							4.9	5.4
ENE	.5	1.8	.8	.1								3.2	5.5
E	.8	2.4	1.1									4.2	5.3
ESE	.7	2.0	.5	.1								3.3	5.0
SE	1.0	2.2	.4									2.7	4.6
SSE	.7	1.3	.4	.1								2.6	5.0
S	1.2	4.0	2.2	.9	.1							8.9	6.5
SSW	1.3	3.6	3.0	.8	.1							8.6	6.6
SW	1.4	3.6	3.1	.7	.1			.1				9.2	6.8
WSW	1.2	2.2	2.2	.7	.1	.1						6.4	7.1
W	1.3	3.1	3.0	1.2	.1	.1	.1					8.8	7.1
WNW	.8	1.1	1.2	.2								3.7	6.7
NW	.4	1.2	1.9	.5								4.0	7.3
NNW	.2	1.2	1.3	.5								4.2	6.8
VARBL												11.6	
CALM													
	15.5	34.2	26.8	7.2	.3	.2	.1	.1				100.0	5.6
TOTAL NUMBER OF OBSERVATIONS													1932

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-45, 47-49, 53-58  
YEARS

JUL  
MONTH

2100-2300  
HOURS TEST

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	1.0	1.1			1.1					4.2	5.6
NNE	1.2	1.9	1.3	1.3	1.1							2.0	5.8
NE	1.6	2.7	2.0	2.2								6.2	5.7
ENE	1.2	1.9	1.9									2.9	5.5
E	1.2	2.7	1.9	1.1								4.2	4.9
ESE	1.8	1.9	1.4									3.2	4.8
SE	1.2	2.0	1.6									3.9	4.6
SSE	1.7	2.0	1.5	1.1								3.3	5.1
S	2.2	4.6	3.4	1.2								10.8	5.9
SSW	1.0	3.4	2.7	1.2								7.4	6.1
SW	1.1	2.4	1.9	1.2	1.1							6.0	6.2
WSW	1.6	1.8	1.9	1.3		1.1						3.7	6.4
W	1.9	1.5	1.5	1.4	1.2		1.1					4.5	6.9
WNW	1.2	1.6	1.1	1.2								1.0	4.8
NW	1.4	1.1	1.8	1.8								2.4	5.8
NNW	1.2	1.1	1.2	1.2	1.1							2.9	6.8
VARBL												27.6	
CALM												100.0	4.2
	15.4	33.3	20.2	2.9	1.4	1.1	1.1						
	TOTAL NUMBER OF OBSERVATIONS												1914

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-45-47-49-53-68  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS 11:51

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	MEAN WIND SPEED
N	.8	2.0	1.6	.4	.0	.0	.0	.0				4.8
NNE	.8	1.2	1.6	.3	.0			.0				4.6
NE	1.1	2.9	1.8	.3	.0							6.1
ENE	.6	1.9	1.4	.2								4.0
E	.9	3.0	1.5	.1								5.6
ESE	.6	1.6	.7	.1								3.0
SE	.8	1.8	.6	.0								3.2
SSE	.5	1.3	.5	.1	.0							2.5
S	1.4	3.6	3.1	.9	.0							9.0
SSW	.9	2.7	3.1	.8	.1	.0						7.5
SW	1.0	2.9	3.9	.2	.1	.0		.0				9.6
WSW	.6	2.1	2.6	.3	.1	.1	.0					6.8
W	.9	2.1	3.1	.2	.0	.0	.0	.0				8.3
WNW	.2	.9	1.1	.5	.0			.0				3.1
NW	.4	1.9	1.6	.6	.1	.0						4.1
NNW	.4	1.1	1.1	.9	.0							3.0
VARBL												14.8
CALM												
	12.4	33.2	29.2	9.0	.7	.2	.0	.0				100.0
TOTAL NUMBER OF OBSERVATIONS												14257

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

43-45, 47-49, 53-68  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.8	1.0	.2								4.3	3.4
NNE	1.2	2.4	.9	.1								4.6	4.9
NE	1.0	2.0	2.7	.1								8.5	5.7
ENE	.5	1.0	1.0									3.7	6.0
E	1.2	2.3	1.2	.1								5.0	5.2
ESE	.5	1.8	.5									3.0	4.8
SE	1.5	2.4	.8									4.7	4.8
SSE	1.0	1.4	.9	.1								3.4	5.3
S	1.8	3.7	3.6	.2								9.6	6.2
SSW	1.3	3.0	1.6	.4								6.3	5.8
SW	1.0	1.8	1.7	.6								5.4	5.7
WSW	.6	1.0	.7									2.9	5.1
W	.7	1.0	.9	.2	.1							3.7	5.9
WNW	.2	.9	.4									1.8	5.0
NW	.5	1.2	.5	.1								2.4	5.6
NNW	.2	1.3	.7									2.7	5.3
VARBL												28.0	
CALM												100.0	4.0
	10.8	33.3	19.8	2.1	.1								
TOTAL NUMBER OF OBSERVATIONS													1643

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

43-45, 47-49, 53-68  
YEARS

AUG  
MONTH

0300-0500  
HOURS (LST)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	2.1	2.4	.9	.1		.1						4.6	5.5
NNE	1.2	2.4	.6									4.2	4.8
NE	1.8	4.2	2.8	.1								8.9	5.5
ENE	.7	1.7	1.3	.1								3.8	5.8
E	1.6	3.2	.8									2.6	4.7
ESE	.9	1.1	.4									2.3	4.9
SE	1.0	1.6	.3	.1								3.8	4.5
SSE	.8	1.8	.6	.1								2.7	5.1
S	2.0	2.7	2.8	.9								8.5	6.2
SSW	1.1	1.8	2.3	.2								5.4	6.1
SW	1.6	3.0	1.7	.1								6.3	5.4
WSW	.8	1.3	1.0	.2								3.2	5.9
W	.8	2.2	1.2	.2								4.3	5.7
WNW	.4	.8	.4	.1								1.7	5.2
NW	.9	1.3	.3	.1								2.9	5.1
NNW	.2	.9	.3	.1								2.0	5.4
VARBL													
CALM												29.1	
	17.6	32.0	18.4	2.3		.1						100.0	3.9
TOTAL NUMBER OF OBSERVATIONS												1500	

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILMINGTON OHIO/CLINTON CU AFB  
STATION NAME

43-45, 47-49, 53-60  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	°	MEAN WIND SPEED
N	1.5	1.8	1.3	.4								4.1	6.4
NNE	1.9	2.5	1.4	.2								5.1	5.7
NE	1.4	2.7	2.8	.1								7.3	5.8
ENE	1.9	2.5	1.3	.2								3.0	5.7
E	1.0	3.4	1.6	.1								6.0	2.5
ESE	1.9	1.5	.5	.1								2.0	4.8
SE	2.2	1.7	.6									4.5	4.2
SSE	1.5	1.5	.6									2.5	5.3
S	1.7	4.7	2.8	1.4								10.5	6.3
SSW	1.0	2.5	3.0	.6								7.1	6.7
SW	1.4	1.9	2.9	.7								7.0	6.4
WSW	1.2	1.8	1.5	.1	.1							4.7	5.7
W	1.2	2.1	2.0	.3	.1							5.6	6.1
WNW	.3	.9	.6	.1								1.9	5.5
NW	.2	1.3	.9	.2								2.7	6.1
NNW	.5	1.3	1.0	.2								3.1	6.2
VARBL													
CALM												20.0	
	16.2	34.4	24.8	4.4	.1							100.0	4.7
TOTAL NUMBER OF OBSERVATIONS													1737



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILMINGTON OHIO/CLINTON CU AFB  
STATION NAME

43-45, 47-49, 53-68  
YEARS

ALL WEATHER  
CLASS

ALL  
MONTH

0900-1100  
HOURS (LST)

CONDITION

SPEED KNTS/ DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.2	3.0	.8								6.8	7.3
NNE	.7	2.2	1.9	.4								5.2	6.5
NE	1.2	1.9	2.5	.3								5.9	6.5
ENE	.7	1.6	1.7	.4								4.0	6.9
E	1.0	2.5	2.1	.5								6.1	6.3
ESE	.8	.9	1.0	.1								2.9	3.8
SE	.8	1.2	.5									2.6	4.9
SSE	.8	1.1	.6	.1								2.5	3.4
S	1.0	2.2	2.5	.4	.1							6.2	6.8
SSW	.7	2.4	3.3	1.0	.4							8.3	8.2
SW	1.1	2.7	5.7	1.8								11.2	7.9
WSW	.5	2.2	4.1	1.2								8.1	7.8
W	1.5	3.1	4.0	1.8	.2							10.5	7.5
WNW	.2	1.3	1.8	.3		.1						4.0	7.2
NW	.4	1.9	2.2	.5								3.1	7.1
NNW	.4	1.4	1.2	.2	.1							3.7	7.0
VARBL													
CALM												6.6	
	12.1	31.4	38.2	11.0	.6	.1						100.0	6.6
TOTAL NUMBER OF OBSERVATIONS												1929	

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

43-45, 47-49, 53-68  
YEARS

AUG  
MONTH

1200-1400  
HOURS (LST)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.2	3.6	1.2	.1							9.1	7.4
NNE	.3	2.3	2.0	.6	.1							5.3	7.2
NE	.6	2.4	2.5	.3								6.0	6.4
ENE	.4	1.8	1.5	.2								3.8	6.3
E	.9	1.5	1.5	.2								4.1	6.0
ESE	.6	.5	.9	.2								2.2	6.2
SE	.7	1.1	.8	.1	.1							2.7	5.9
SSE	.2	.6	.7	.2								1.6	6.8
S	.8	2.6	2.4	1.0	.2							7.0	7.4
SSW	.2	1.5	3.1	1.3	.5							6.6	9.3
SW	.7	2.7	3.7	2.8	.5							12.5	8.9
WSW	.3	1.8	4.2	2.5	.1							8.9	9.1
W	.7	2.0	4.6	2.7	.3	.1						10.3	7.0
WNW	.6	1.3	2.1	1.1	.2							5.2	8.3
NW	.5	1.9	2.8	1.2	.1							6.5	7.7
NNW	.2	1.4	1.4	.9	.1							3.8	7.8
VARBL												4.4	
CALM													
	9.2	38.3	39.8	16.1	2.1	.1						100.0	7.5
TOTAL NUMBER OF OBSERVATIONS													1941

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13861  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

43-45, 47-49, 53-68  
YEARS

AUG  
MONTH

1500-1700  
HOURS (LST)

ALL WEATHER.  
CLASS

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.0	3.8	1.4								9.4	7.4
NNE	1.5	1.9	2.0	.8	.0							5.2	7.3
NE	1.6	2.9	2.5	.1								6.4	6.1
ENE	1.5	2.2	.9	.1	.0							3.8	5.8
E	1.1	1.8	1.3									4.4	5.6
ESE	1.5	1.0	.4	.0								2.0	5.2
SE	1.4	1.2	.9	.2								2.8	6.3
SSE	1.4	.5	.7	.3								1.9	7.1
S	1.5	1.9	3.5	.8	.1							6.9	7.8
SSW	1.5	1.8	3.3	2.1	.4							8.1	9.1
SW	1.4	2.3	4.7	2.1	.4							9.9	8.9
WSW	1.2	2.3	3.6	1.8	.2	.0						8.4	8.8
W	1.5	2.8	4.6	2.1	.1		.0					10.2	8.3
WNW	1.4	.9	2.7	.7	.1							4.9	8.6
NW	1.6	1.8	2.0	.8	.1							6.4	8.0
NNW	1.2	1.7	2.1	.6	.0	.0						4.7	7.8
VARBL												4.5	
CALM													
	9.0	30.0	40.5	14.1	1.7	.1	.0					100.0	7.4
TOTAL NUMBER OF OBSERVATIONS													2028

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

43-45-47-49-53-66  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (EST)

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	1.8	4.3	2.2	.5	.2							8.9	6.0
NNE	1.2	2.0	1.9	.3		.1						5.8	6.2
NE	2.3	3.1	1.8	.4								7.6	5.5
ENE	1.0	1.7	.7									3.4	4.8
E	2.0	2.0	.7	.1								4.7	4.6
ESE	.9	1.2	.2	.1								2.0	4.5
SE	1.0	2.1	.3	.1	.1							3.7	3.1
SSF	.7	1.7	.8	.1								3.2	5.2
S	1.0	4.2	2.6	.1								7.9	5.7
SSW	.9	3.3	1.7	.6	.1							6.8	6.4
SW	1.5	3.3	3.9	1.0								8.6	6.3
WSW	1.2	1.8	1.5	.4								4.8	6.1
W	1.0	3.0	2.2	.2	.1							7.3	6.7
WNW	.9	1.9	1.0	.2	.1							3.4	6.3
NW	.8	1.2	1.3	.1								3.3	5.9
NNW	.8	1.6	1.1	.2	.1							3.7	6.0
VARBL													
CALM												15.3	
	18.7	38.1	22.0	4.8	.5	.1						100.0	5.0
TOTAL NUMBER OF OBSERVATIONS													1980

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

12841

WILMINGTON OHIO/CLINTON CO AFB

43-45, 47-49, 53-68

AUG

2100-2300  
HOURS (EST)

ALL WEATHER

CONDITION

SPEED KNTS DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	°F	MEAN WIND SPEED
N	1.4	2.6	1.2		0.1							5.4	5.4
NNE	1.2	2.3	1.6									5.4	5.1
NE	1.0	3.1	2.3	1.4								7.4	6.0
ENE	1.8	1.0	1.1									2.9	5.4
E	1.2	3.1	1.9	1.1								5.3	4.9
ESE	1.0	3.2	1.4									3.5	4.5
SE	1.8	2.1	1.9	1.1								3.9	5.0
SSE	1.1	1.0	1.9									3.9	5.0
S	1.0	3.2	2.0	1.1								9.4	5.6
SSW	1.8	2.5	2.1	1.1								5.4	6.0
SW	1.3	2.5	1.1	1.4								5.2	5.6
WSW	1.8	1.9	1.4	1.2	0.1							3.8	6.2
W	1.3	1.9	1.2	1.2								3.4	6.3
WNW	1.4	1.9	1.4									1.7	5.0
NW	1.3	1.8	1.1	1.1	0.1							2.2	6.3
NNW	1.7	1.3	1.0		0.1							1.8	5.3
VARBL													
CAUM												28.5	
	15.2	24.7	19.5	1.4	0.3							100.0	3.9
TOTAL NUMBER OF OBSERVATIONS													1967

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILMINGTON OHIO/CLINTON CU AFB  
STATION NAME

43-45, 47-49, 53-68  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS 'EST

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.7	2.2	.0	.0	.0						6.7	6.0
NNE	.9	2.3	1.6	.3	.0	.0						5.1	6.1
NE	1.5	3.0	2.5	.2	.0	.0						7.2	5.5
ENE	.7	1.9	1.3	.1	.0							3.9	5.9
E	1.2	2.5	1.2	.1	.0							5.1	5.4
ESE	.7	1.3	.5	.1	.0							2.6	5.1
SE	1.1	1.7	.7	.1	.0							3.6	5.1
SSE	.6	1.3	.7	.1	.0							2.8	5.5
S	1.3	3.4	2.0	.7	.0							8.2	6.4
SSW	.8	2.3	2.0	.9	.2							6.8	7.4
SW	1.2	2.8	2.4	.6	.1							6.4	7.4
WSW	.7	1.8	2.4	.6	.1	.0						5.7	7.5
W	.9	2.3	2.7	1.1	.1	.0	.0					7.1	7.4
WNW	.4	1.1	1.2	.3	.1	.0						3.1	7.1
NW	.6	1.4	1.5	.4	.0	.0						4.0	6.9
NNW	.5	1.2	1.1	.3	.0	.0						3.2	6.0
VARBL													
CALM												19.2	
	14.2	32.8	28.5	7.2	.7	.0	.0					100.0	5.5
TOTAL NUMBER OF OBSERVATIONS													14805

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N, C, 28801

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

43-49-23-68  
E-E-T

YEARS

SEP  
MONTH

0000-0200  
HOURS/15 T

AL, WEATHER  
CLASS

CONDITION

SPEED 'KNTS. DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	.5	.9	.8	.1								2.4	6.0
NNE	1.8	2.4	.8	.2								5.2	4.6
NE	1.2	2.0	4.0	.6								8.4	6.7
ENE	.4	2.6	1.8	.5	.1							5.0	7.0
E	1.5	4.9	2.3	.4								9.1	5.3
ESE	1.1	2.3	1.3									5.2	5.1
SE	1.5	2.1	1.3									4.5	5.1
SSE	.0	1.8	1.4	.2	.1							4.2	6.2
S	1.8	2.8	4.9	1.2	.2							10.8	7.4
SSW	.8	1.5	2.7	.5	.1							5.5	7.1
SW	.7	.9	2.1	.6	.1							5.3	7.5
WSW	.2	.5	.9	.3								2.0	7.4
W	1.4	1.2	1.1	.2								4.0	5.6
WNW	.4	.8	.5	.1								1.8	5.8
NW	.7	.8	1.1	.2								3.2	5.0
NNW	.2	.0	.5	.2								1.7	6.8
VARBL													
CALM												21.0	
	15.1	29.4	28.4	5.4	.4							100.0	5.7
TOTAL NUMBER OF OBSERVATIONS													1682

DATA PROCESSING DIVISION  
ETAC, USAF  
ASREVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12001  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

43-49, 53-68  
YEARS

ALL WEATHER  
CLASS

CONDITION

SEP  
MONTH

0300-0500  
HOURS (LST)

SPEED KNTS DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	1.6	1.8	1.1	1.1								2.6	6.0
NNE	1.0	1.7	1.9	1.4								3.9	5.6
NE	1.6	2.5	3.1	2.3								7.4	6.2
ENE	1.2	2.5	1.9	1.0								6.6	4.5
E	2.0	4.7	2.6	1.4								9.7	5.6
ESE	1.7	2.6	1.0	1.3								4.4	5.3
SE	1.5	2.4	1.3	1.1								5.2	5.4
SSE	1.7	1.5	1.9	1.1								3.2	5.5
S	1.8	3.7	4.7	1.7	1.1							11.1	6.7
SSW	1.0	1.1	2.5	1.6								5.3	6.9
SW	1.9	2.0	1.4	1.0								7.1	7.1
WSW	1.2	1.0	1.2	1.1								2.3	7.3
W	1.5	1.5	1.2	1.4								4.2	5.8
WNW	1.7	1.9	1.2	1.2	1.1							2.2	5.4
NW	1.5	1.6	1.2	1.2								3.2	5.8
NNW	1.2	1.0	1.0	1.1								1.5	6.3
VARBL													
CALM												19.3	
	16.2	30.7	28.0	5.4	1.1							100.0	5.0
TOTAL NUMBER OF OBSERVATIONS												1627	



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

19841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

43-49, 53-66  
YEARS

SEP  
MONTH

0600-0800  
HOURS (LST)

ALL WEATHER  
CLASS

CONDITION

SPEED (KTS) DIF	1 3	4 5	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.2	1.2	1.2	1.2							2.1	6.9
NNE	1.0	1.4	1.9	1.1	1.1							3.0	5.5
NE	1.5	3.3	3.0	1.0	1.0							8.9	6.6
ENE	1.0	2.4	1.8	1.0	1.1							6.3	6.2
E	2.1	4.6	2.8	1.3	1.3							9.8	5.6
ESE	1.6	3.1	1.0	1.0	1.0							4.7	5.3
SE	1.4	2.2	1.2	1.1	1.1							4.9	5.2
SSE	1.5	1.8	1.0	1.0	1.0							3.4	5.6
S	1.5	2.9	1.9	1.9	1.2							10.4	7.2
SSW	1.6	1.8	2.6	1.7	1.2							6.7	7.3
SW	1.0	2.4	2.9	1.2	1.1							7.4	7.1
WSW	1.3	1.8	1.4	1.2	1.2							2.8	7.2
W	1.4	1.7	1.2	1.9	1.1							4.9	6.1
WNW	1.7	1.8	1.8	1.1	1.1							2.4	5.4
NW	1.6	1.1	1.7	1.2	1.2							2.7	6.1
NNW	1.6	1.7	1.0	1.2	1.2							2.5	6.5
VARBL												15.9	
CALM													
	14.9	22.9	30.0	6.3	1.2							100.0	5.4
													1744

TOTAL NUMBER OF OBSERVATIONS

## SURFACE WINDS

13843  
STAGN

WILMINGTON OHIO/CLINTON CO AFB

43-49, 53-68

YEARS

SEP  
MONTH

0900-1100  
HOURS-151

ALL WEATHER  
CLASS

CONDITION

USAF ETAC FORM 085(OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUL 64

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13061

WILMINGTON OHIO/CLINTON CU AFB

43-49-53-68

YEARS

SEP  
MONTH

1200-1400  
HOURS LTST

ALL WEATHER  
CLASS

CONDITION

SPEED KNTS DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	1.8	1.8	1.8	1.0	1.1							5.5	7.5
NNE	1.4	1.8	1.0	1.7	1.1							3.8	8.2
NE	1.3	1.5	2.5	1.2	1.1							3.4	8.0
ENE	1.6	1.6	2.2	1.7	1.2							2.5	8.0
E	1.5	2.1	3.5	1.3	1.2							6.2	7.2
ESE	1.6	1.0	1.2	1.3	1.1							3.2	6.1
SE	1.7	1.2	1.1	1.5	1.1	1.1						4.2	7.0
SSE	1.4	1.0	1.3	1.0	1.0							3.3	7.3
S	1.1	1.7	2.5	1.8	2.1	1.1						8.8	8.3
SSW	1.4	1.2	2.2	2.0	1.7	1.1						7.6	9.9
SW	1.6	1.5	4.6	3.9	4.4	1.1						10.7	10.1
WSW	1.5	1.5	2.5	3.1	2.2	1.1						6.8	8.9
W	1.3	1.8	2.9	3.3	3.3	1.1						9.9	9.1
WNW	1.0	1.1	1.9	1.2	1.4	1.1						3.3	9.4
NW	1.0	1.7	2.7	1.0	1.1							6.4	7.6
NNW	1.3	1.5	1.2	1.8			1.1					3.3	7.7
VARBL													
CALM												5.0	
	92.7	22.9	38.2	21.2	2.0	1.2	1.1					100.0	8.0
TOTAL NUMBER OF OBSERVATIONS													1947

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13861

WILMINGTON OHIO/CLINTON CO AFB

43-49, 53-68

YEARS

SEP  
MONTH

1500-1700  
HOURS TEST

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.6	2.8	1.3	.0							6.7	7.7
NNE	.5	1.7	1.8	.7	.0							4.7	7.3
NE	.4	2.0	1.4	.8	.1							4.7	7.6
ENE	.5	1.8	1.8	.8								5.0	7.5
E	.4	2.2	2.5	.4	.0							5.2	7.1
ESE	.1	1.0	1.5	.1	.0							2.7	7.3
SE	.6	1.5	1.6	.3	.0							4.3	6.2
SSE	.3	1.3	1.3	.8								4.1	7.7
S	1.2	2.8	2.7	1.9	.2							9.8	7.8
SSW	.5	2.0	2.2	1.4	.2							6.3	8.4
SW	.1	1.9	2.5	2.0	.4	.0						9.0	8.7
WSW	.4	1.7	2.7	1.8	.5							7.1	9.2
W	.2	2.4	3.1	2.1	.3							8.2	8.8
WNW	.2	1.8	2.0	1.4	.3							4.8	10.0
NW	.3	1.8	2.8	1.4	.1							6.3	8.2
NNW	.3	1.4	1.7	.9	.0							4.0	7.3
VARBL													
CALM												6.1	
	6.7	24.2	29.8	17.7	2.4	.0						100.0	7.6
TOTAL NUMBER OF OBSERVATIONS													2046

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

12841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

43-49, 53-68  
YEARS

SEP  
MONTH

1800-2000  
HOURS U.S.T.

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.2	2.0	.3	.1							6.3	6.1
NNE	1.6	2.2	1.6	.1	.0							5.5	5.4
NE	1.4	2.6	1.7	.6	.1							6.4	6.2
ENE	.4	1.0	1.4	.4	.0							3.8	7.1
E	1.4	2.1	1.2	.1								5.9	2.3
ESE	1.0	2.7	.6									4.9	4.9
SE	.9	3.1	1.4	.1								3.7	2.8
SSE	.8	1.7	.9	.2	.0							10.1	3.9
S	2.1	4.2	2.3	.3	.1							5.6	6.3
SSW	1.3	1.9	2.2	.3								4.9	2.9
SW	1.2	1.8	1.7	.2								4.1	6.9
WSW	1.0	1.2	1.2	.6	.1	.0						4.8	6.2
W	1.1	2.0	1.2	.2	.1							2.7	7.0
WNW	.6	.7	1.1	.2	.1							4.3	6.3
NW	.8	1.9	1.7	.2								3.4	5.7
NNW	.7	1.2	1.2	.0									
VARBL												18.7	
CALM													
	17.6	25.2	24.2	1.4	.7	.0						100.0	4.9
TOTAL NUMBER OF OBSERVATIONS												2046	

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841

WILMINGTON OHIO/CLINTON CO AFB

42-49, 53-68

YEARS

SEP  
MONTH

2100-2300  
HOURS (LST)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.9	1.9	1.3	0.3							4.0	5.9
NNE	2.0	2.5	1.3	0.0								5.9	4.9
NE	1.1	2.8	2.1	0.4								7.3	6.5
ENE	1.4	2.1	1.0	0.8	0.0							4.5	7.3
E	1.7	4.0	1.5	0.2								7.4	5.2
ESE	1.0	2.7	1.7									4.4	4.8
SE	1.3	2.2	2.2	0.2								6.2	5.8
SSE	1.8	2.1	1.0	0.2								4.1	5.9
S	1.8	4.5	4.5	0.5	0.0							11.3	6.3
SSW	1.9	1.4	2.2	0.3	0.0							4.8	6.9
SW	1.0	1.2	1.6	0.3								4.8	6.5
WSW	1.2	1.7	1.5			0.0						1.8	6.4
W	1.1	1.2	0.8	0.2	0.0							3.5	6.0
WNW	1.2	1.5	1.1	0.1								1.4	6.0
NW	1.2	1.1	0.7	0.2								3.2	5.5
NNW	1.4	1.7	1.0	0.1								2.3	6.3
VARBL													
CALM												23.1	
	16.4	32.1	22.2	4.2	2.1	0.0						100.0	4.6
												TOTAL NUMBER OF OBSERVATIONS	2026

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILMINGTON OHIO/CLINTON CU APP  
STATION NAME

43-49, 53-60  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS 'L'S T.

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	1.8	1.5	1.6	.5	.0							4.4	6.8
NNE	1.1	1.7	1.2	.4	.0							4.4	6.0
NE	1.0	2.5	2.6	.9	.0							6.9	7.0
ENE	.9	2.0	1.8	.8	.1							3.4	7.3
E	1.2	3.4	2.5	.5	.0							7.6	6.1
ESE	.7	2.1	1.1	.1	.0							4.1	5.5
SE	1.0	2.0	1.6	.2	.0							4.9	5.9
SSE	.6	1.6	1.2	.2	.0							3.7	6.4
S	1.6	3.1	4.0	1.1	.2							10.0	7.1
SSW	.8	1.6	2.8	1.0	.2	.0						6.4	8.0
SW	.8	1.7	3.3	.8	.2	.0						7.3	8.2
WSW	.9	1.4	1.7	.9	.1	.0						4.4	8.2
W	1.0	1.6	1.9	1.2	.1	.0						6.1	7.5
WNW	.5	.8	1.1	.3	.1	.0						3.1	7.8
NW	.7	1.4	1.6	.6	.0							4.3	7.0
NNW	.4	1.0	1.1	.2	.0		.0					2.6	6.8
VARBL													
CALM												14.2	
	12.4	29.5	31.3	10.5	1.1	.1	.0					100.0	6.0
TOTAL NUMBER OF OBSERVATIONS												13046	

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28601

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

43-48.53-68  
YEARS

CGT  
MONTH

0000-0200  
HOURS LST

ALL WEATHER  
CLASS

CONDITION

SPEED KNTS DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 50	MEAN WIND SPEED
N	1.2	.6	1.7	.3		.1						4.9
NNE	.6	1.3	1.3	.1								3.6
NE	1.1	3.0	3.6	.4	.1	.1						8.3
ENE	.4	1.3	2.0	.5								4.3
E	1.2	2.8	2.2	.1	.1							6.3
ESE	.6	1.3	1.0	.1								3.0
SE	1.0	3.0	2.1									6.0
SSE	.2	1.9	1.2	.2	.1							3.7
S	1.0	3.7	3.1	1.2	.1							9.2
SSW	.6	1.7	2.7	1.2								6.2
SW	.7	2.2	3.4	1.3	.2							7.8
WSW	.5	1.2	2.0	.5	.1							4.3
W	1.0	1.9	1.9	.7	.1							5.5
WNW	.2	1.2	1.1	.5								2.0
NW	1.1	1.9	1.0	.6	.1	.1						4.8
NNW	.2	1.3	1.1	.3	.1							3.0
VARBL												
CALM												16.2
	11.2	21.6	31.5	8.1	.4	.3						100.0
TOTAL NUMBER OF OBSERVATIONS												1658



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13041  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

43-48.23-68  
YEARS

UCT  
MONTH

0300-0500  
HOURS (LST)

ALL WEATHER  
CLASS

CONDITION

SPEED KNTS. DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.4	1.9	.2	.1							4.8	6.8
NNE	.0	1.2	1.3									3.1	6.1
NE	.2	1.0	1.2	.6	.2	.1						6.8	8.0
ENE	.6	1.9	1.4	.4								4.4	6.4
E	1.9	2.5	2.0	.3								6.8	5.6
ESE	.9	1.8	1.5	.1								3.3	4.9
SE	.7	2.1	1.9	.1								3.7	5.8
SSE	.7	2.0	2.0	.1								4.8	6.1
S	1.1	3.3	3.6	2.0	.1							10.2	7.6
SSW	.8	1.3	2.6	1.4	.1							6.0	6.1
SW	.8	1.9	3.1	1.4	.1							7.2	8.1
WSW	.5	2.0	2.2	.7	.1							3.3	7.4
W	.8	1.5	2.4	1.3	.2	.1						6.1	8.2
WNW	.4	1.2	.9	.2								2.6	6.1
NW	.9	1.1	1.6	.1	.1							4.1	7.1
NNW	.7	1.3	.8	.2								3.0	3.9
VARBL													
CALM												15.9	
	12.2	29.8	31.5	9.8	.9	.3						100.0	5.9
TOTAL NUMBER OF OBSERVATIONS													1596

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13861  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

48-48, 53-68  
YEARS

YEARS

0CT  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS/15

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	2.	1.7	2.0	4.		1.						4.4	7.3
NNE	5.	9.	1.4	2.								3.0	6.6
NE	1.0	2.4	3.8	4.	1.							7.5	6.9
ENE	6.	1.6	1.7	5.								4.4	6.8
E	1.3	3.0	2.3	1.								6.7	5.7
ESE	6.	1.2	1.0	1.								3.0	5.5
SE	1.0	2.4	1.4	4.								5.0	5.5
SSE	7.	2.7	1.6	1.	1.							5.2	6.4
S	9.	3.7	4.5	1.5	1.							10.6	7.6
SSW	7.	1.6	2.1	1.0	2.							6.6	8.2
SW	1.1	2.3	2.9	1.7	1.							8.0	7.8
WSW	9.	1.1	1.9	5.	1.							4.5	7.2
W	6.	1.0	2.2	1.	1.	1.						5.3	8.6
WNW	2.	1.8	1.2	2.	2.	1.						2.9	8.6
NW	9.	1.0	1.3	6.	1.							4.0	6.8
NNW	4.	1.2	1.2	5.								3.4	7.2
VARBL													
CALA												15.3	
	11.4	24.8	32.3	9.9	1.1	2.						100.0	6.0
TOTAL NUMBER OF OBSERVATIONS													1717

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841

WILMINGTON OHIO/CLINTON CU AFB

42-42, 52-68

YEARS

0CT  
MONTH

0900-1100  
HOURS-EST.

ALL WEATHER  
CLASS

CONDITION

SPEED KNTS. DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
11	0	1.0	1.8	1.4	.1							4.9	8.5
11NE	3	1.1	2.4	.5								4.2	7.6
NE	5	1.3	2.4	.4	.1							4.8	7.3
11NE	3	1.0	2.4	.7								4.4	8.0
E	5	1.5	3.0	.6								5.9	7.3
ESE	5	1.3	1.0	.5								3.3	6.9
SE	4	1.9	1.5	.2								4.1	6.4
SSE	4	1.7	1.7	.6	.1							4.3	7.3
S	5	2.9	2.1	1.5	.3	.1	.1					10.3	8.5
SSW	7	2.8	3.4	2.7	.4	.1						9.9	9.0
SW	6	1.2	3.9	2.3	.4							9.6	9.7
WSW	4	1.7	2.3	2.1	.6	.1						7.4	9.8
W	5	1.6	3.2	2.4	.5	.1						8.3	9.6
WNW	5	1.7	1.2	.9	.4	.1						3.3	10.0
NW	5	1.0	2.5	1.3	.2	.1						3.3	9.3
NNW	2	.9	2.0	.7	.2							3.3	8.6
VARBL													
CALM												5.6	
	71.1	24.2	39.7	19.7	2.1	.5	.1					100.0	8.1
												TOTAL NUMBER OF OBSERVATIONS	1910

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

19841  
STATION

WILMINGTON OHIO/CLINTON CU AFB  
STATION NAME

43-49, 52-66  
YEARS

YEARS

EQT  
MONTH

1200-1400  
HOURS U.S.T.

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS.) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	°F	MEAN WIND SPEED
N	1.5	1.0	2.1	1.0	1.1							4.6	8.4
NNE	1.3	1.0	1.7	1.4	1.1							3.6	7.2
NE	1.4	1.2	2.2	1.6	1.1							5.2	7.7
ENE	1.1	1.5	1.4	1.7	1.1							2.7	9.0
E	1.5	1.2	2.1	1.2	1.1							4.3	6.7
ESE	1.3	1.7	1.4	1.1	1.1							1.5	6.1
SE	1.7	1.1	1.7	1.4	1.1							3.0	6.7
SSE	1.4	1.0	1.2	1.7	1.1							3.4	7.9
S	1.7	2.0	1.8	2.1	1.4			1.1				11.6	9.1
SSW	1.4	1.7	2.0	2.2	1.4							8.0	9.5
SW	1.7	2.1	2.4	2.8	1.5	1.1						11.5	9.7
WSW	1.2	1.2	2.1	2.9	1.7							7.1	10.6
W	1.8	1.8	2.4	3.1	1.9	1.2	1.1					11.1	10.2
WNW	1.4	1.2	2.4	1.0	1.9	1.3						6.7	10.8
NW	1.9	1.9	2.9	1.9	1.3	1.1						6.2	9.3
NNW	1.1	1.1	1.9	1.8	1.3							4.0	9.6
VAPBL													
CALM												4.7	
	7.2	20.9	38.3	23.8	5.8	1.5	1.1					100.9	8.7
TOTAL NUMBER OF OBSERVATIONS													1925

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841

WILMINGTON OHIO/CLINTON CU AFB

42-48, 53-68

YEARS

MOY

ALL WEATHER  
CLASS

1500-1700  
HOURS (LST)

CONDITION

SPEED KNTS DIR	3	4	6	7	10	11	16	17	21	22	27	28	33	34	40	41	47	48	55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.4		2.7		1.4		1													5.9	8.7
NNE	1.3	1.1		1.4		1.2															3.2	7.1
NE	1.3	1.2		2.5		1.6															3.5	7.4
ENE	1.3	1.9		1.3		1.2															2.2	7.1
E	1.0	1.9		2.0		1															4.6	6.2
ESE	1.2	1.6		1.6		1.1															1.6	6.6
SE	1.5	1.0		1.9		1.5															3.6	6.1
SSE	1.2	1.2		1.6		1.5															4.0	7.3
S	1.6	3.3		4.8		2.0		3		1											11.1	8.3
SSW	1.4	1.8		2.8		2.0		1													8.3	8.6
SW	1.7	2.1		2.9		2.7		2													9.6	9.0
WSW	1.3	1.4		2.1		1.5		1													6.0	9.0
W	1.9	1.2		2.8		2.8		1		1											10.7	10.0
WNW	1.5	1.8		2.2		1.2		1		1											6.2	9.2
NW	1.6	2.0		2.3		1.5		1		0											7.4	8.7
NNW	1.2	1.4		1.9		1.7		1		0											4.9	8.5
VARBL																						
CALM																					6.9	
	8.7	25.5	28.5	18.1	2.1	1.9															100.0	8.0
																					TOTAL NUMBER OF OBSERVATIONS	
																					2017	

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13861

WILMINGTON OHIO/CLINTON CO AFB

43-48, 53-68

YEARS

LCT  
MONTH

ALL WEATHER  
CLASS

1600-2000  
HOURS-15 T

CONDITION

SPEED (KNTS DIR	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	86-90	91-95	96-100	MEAN WIND SPEED
N	1.0	2.9	2.5	.4	.1																6.5
NNE	1.0	1.3	1.6	.3																	6.1
NE	1.0	1.6	2.2	.2																	6.5
ENE	.5	1.6	1.1	.1																	5.9
E	1.5	3.1	1.2	.0																	5.0
ESE	.7	1.9	.4																		3.0
SE	.9	2.3	1.0	.1																	3.3
SSE	.7	2.7	1.0	.1																	2.4
S	1.7	4.2	2.6	1.0	.1	.0															6.5
SSW	.9	1.2	2.6	.3	.1	.0															7.1
SW	.6	2.3	2.2	.8		.0															7.1
WSW	.3	.9	2.2	.2																	7.3
W	.9	1.8	2.2	1.0	.1	.0															7.8
WNW	.0	1.8	1.2	.6	.0																6.9
NW	.7	1.4	.9	.4	.1																7.3
NNW	.7	1.1	.9	.2	.1																6.8
JAPBL																					
CALM																					17.9
	14.0	32.0	28.0	9.0	.8	.2															100.0
																					5.3
																					2019

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841

WILMINGTON OHIO/CLINTON CG AFB

43-43.53-68

EAKS

LCT  
MONTH

2100-2300  
HOURS (LST)

ALL WEATHER  
CLASS

CONDITION

SPEED KNTS DIR	1 3	4 6	7 9	10	12 21	22 23	24 33	34 40	41 47	48 55	≥ 56	MEAN WIND SPEED	
N	7	1.8	1.7	4			1					4.9	7.0
NNE	8	1.8	1.2	0								3.6	5.3
NE	8	1.2	3.3	3								6.4	7.0
ENE	4	1.0	1.0	1								2.5	6.0
E	1.4	2.7	1.3									6.2	5.1
ESE	1.4	2.4	1.1									4.9	4.9
SE	1.3	2.4	1.7	1								3.6	3.6
SSE	4	1.7	1.7	2								4.0	6.3
S	1.7	4.2	2.2	1.1	1							10.5	6.6
SSW	10	1.5	2.9	1.1	1							4.1	7.9
SW	10	2.2	2.3	0.7	1							5.9	7.5
WSW	4	1.5	2.7	2								4.2	7.0
W	10	2.0	2.6	1	0							3.3	7.3
WNW	10	1.4	1.0	0.7	0							2.1	7.9
NW	7	1.0	1.2	7	1							3.8	7.8
NNW	10	1.3	1.0	1	1							3.0	6.7
VARB.													
CALM												19.8	
	12.4	32.0	23.2	9.7	4	4						100.0	5.3
TOTAL NUMBER OF OBSERVATIONS													2093

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13861  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

43-40-53, 48  
YEARS

YEARS

UCT  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS LIST

CONDITION

SPEED KNTS DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	1.6	1.7	2.1	.7	.0	.0						3.2	7.4
NNE	1.6	1.2	1.5	.2	.0	.0						3.6	6.5
NE	1.7	1.4	3.0	.5	.0	.0						6.2	7.2
ENE	1.4	1.2	1.3	.4	.0	.0						3.6	7.1
E	1.1	2.3	2.0	.2	.0							3.8	5.9
ESE	1.7	1.4	.8	.1	.0							3.0	5.5
SE	1.8	2.1	1.4	.2	.0							4.3	5.8
SSE	1.3	1.9	1.5	.4	.0							4.3	6.6
S	1.0	2.3	4.0	1.7	.2	.0	.0					10.4	7.7
SSW	1.7	1.7	3.0	1.5	.2	.0	.0					7.1	8.4
SW	1.7	2.1	3.3	2.0	.2	.0	.0					8.2	8.6
WSW	1.5	1.4	2.1	1.1	.3	.0	.0					5.3	8.6
W	1.7	1.7	2.0	2.7	.4	.1	.0					7.2	8.9
WNW	1.4	1.3	1.6	.8	.3	.1						4.1	8.8
W	1.4	1.3	1.9	.0	.2	.0						3.2	8.1
NNW	1.4	1.2	1.3	.4	.2	.0						3.5	7.7
ARBL													
ALM												12.4	
	10.0	24.1	23.7	12.8	2.0	.4	.0					100.0	6.7
TOTAL NUMBER OF OBSERVATIONS													14645



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

19841

WILMINGTON OHIO/CLINTON CO AFB

43-49.53-66

YEARS

NDV  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS LTST

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	56 66	%	MEAN WIND SPEED
N	1.5	1.8	1.8	1.2	1.1							2.4	7.0
NNE	1.1	1.8	1.8	1.1	1.1							1.4	7.0
NE	1.0	1.4	1.1	1.1	1.1							3.2	5.7
ENE	1.5	1.3	2.0	1.4	1.4							4.2	7.2
E	1.4	1.5	2.1	1.5	1.5							4.8	7.1
ESE	1.2	1.2	1.3	1.2	1.2							2.9	6.7
SE	1.7	1.7	2.0	1.4	1.4							4.5	6.1
SSE	1.2	1.2	1.4	1.4	1.4	2.1	1.1					3.5	8.0
S	1.7	2.0	2.9	2.5	2.3	2.3	1.1					9.2	8.9
SSW	1.7	2.0	2.9	2.5	2.3	2.3	1.1					9.5	9.2
SW	1.7	2.0	2.9	2.5	2.3	2.3	1.1					10.7	10.2
WSW	1.7	2.0	2.4	2.4	2.4	2.4	1.1	1.1				6.6	10.9
W	1.9	2.0	2.1	2.2	2.2	2.2	2.2	1.1				10.8	9.7
WNW	1.5	1.0	2.4	2.2	2.2	2.2	1.1					3.7	9.2
NW	1.5	1.0	2.4	2.2	2.2	2.2	1.1					3.3	3.7
NNW	1.5	1.0	2.4	2.2	2.2	2.2	1.1					3.4	8.4
VARBL													
CALM												12.0	
	8.0	23.8	34.3	17.2	9.2	1.2	1.1					100.0	7.7
TOTAL NUMBER OF OBSERVATIONS													167

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13861

WILMINGTON OHIO/CLINTON CO AFB

43-48, 53-68

YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.2	.7	.3	.1							2.8	7.0
NNE	.6	.6	.6									1.7	3.3
NE	.4	1.2	.3	.1								3.0	6.1
ENE	.3	1.0	2.0	.2								3.6	7.4
E	.6	2.0	1.9	.7	.1							5.2	7.2
ESE	.5	1.7	1.2	.4								3.8	6.7
SE	.5	1.4	1.5	.2								3.6	6.6
SSE	.2	1.1	1.3	.6	.1							3.2	8.4
S	1.0	2.3	3.8	2.5	1.1	.2						12.0	8.6
SSW	.7	2.2	2.3	2.3	.4	.1						8.2	9.0
SW	.4	1.4	4.0	3.8	.7	.3						10.2	10.2
WSW	.4	1.4	1.7	3.8	.9	.3						6.6	11.7
W	.4	2.3	2.2	3.0	.8	.1						9.8	10.1
NW	.5	1.3	1.4	1.2	.2	.1						4.8	9.1
NNW	.8	1.9	1.9	1.8	.4	.1						6.4	8.6
NNW	.2	1.0	.9	.9	.2	.1						3.4	9.8
VARBL													
CAIM												11.7	
	9.0	22.4	21.7	19.2	4.3	.9	.1					100.0	7.2
TOTAL NUMBER OF OBSERVATIONS												1617	

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILKINGTON OHIO/CLINTON CO AFB  
STATION NAME

43-48, 53-68  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (LST)

CONDITION

SPEED (KNTS) DIP	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	7	1, 2	1, 1	2								3, 4	6, 4
NNE	4	6	9	1								2, 0	6, 1
NE	2	7	6	2								2, 0	6, 1
ENE	7	1, 1	4	4								3, 3	6, 6
E	9	4	4	4	1							4, 2	6, 8
ESE	2	3	6	2		1						3, 3	7, 3
SE	7	6	6	4	1	1						4, 4	6, 7
SSE	9	2	5	6	2	1						4, 3	8, 0
S	9	6	0	3	4	1						14, 2	9, 0
SSW	7	7	5	3	4							7, 0	9, 2
SW	8	9	0	2	5	1						10, 2	9, 5
WSW	5	6	0	1	9	1						7, 1	10, 4
W	1, 1	0	4	1	7	2	1	1				9, 9	9, 5
WNW	3	2	2	9	2	2						4, 4	8, 6
NW	6	5	5	2	2	2						5, 2	8, 7
NNW	2	1	4	9	1							3, 6	8, 8
VARBL													
CALM												10, 1	
	9, 7	22, 7	32, 4	18, 7	3, 7	6	1	1				100, 0	7, 7
TOTAL NUMBER OF OBSERVATIONS													1702

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13861  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

43-48, 53-66  
YEARS

YEARS

ALL WEATHER  
CLASS

CONDITION

NAV  
MONTH  
0900-1100  
HOURS LST

SPEED KNTS DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	MEAN WIND SPEED	
N	1.4	1.0	1.9	1.5								2.4	7.7
NNE	1.4	1.0	1.8	1.5								2.4	6.7
NE	1.5	1.1	1.3	1.2	1.1							3.1	7.3
ENE	1.2	1.0	1.8	1.5		1.1						2.3	8.3
E	1.6	1.6	2.0	1.5	1.1							4.3	6.7
ESE	1.6	1.6	1.3	1.5								2.6	6.3
SE	1.6	1.7	1.0	1.4	1.2							2.9	7.5
SSE	1.2	1.6	1.5	1.6	1.6	1.1						4.1	10.1
S	1.8	1.8	1.0	1.4	1.6	1.1						11.7	9.7
SSW	1.4	1.3	1.5	1.4	1.0	1.1						11.7	10.7
SW	1.4	1.0	1.4	1.0	1.6	1.1	1.1					12.0	11.4
WSW	1.4	1.2	2.6	1.5	1.5	1.3						5.5	11.4
W	1.5	1.0	1.8	1.2	1.6	1.2	1.2					10.8	12.1
WNW	1.2	1.7	1.9	1.5	1.7	1.2						5.5	11.1
NW	1.4	1.6	1.6	1.5	1.1	1.1	1.1					6.3	9.1
NNW	1.4	1.1	1.4	1.0	1.2							4.2	8.7
VARBL												4.5	
CALM													
	6.7	17.2	26.0	24.9	8.6	1.2	1.1					100.0	9.5
													190

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841

WILMINGTON OHIO/CLINTON CO AFB

43-48,53-68

YEARS

NOV  
MONTH

1200-1400  
HOURS-UT

ALL WEATHER  
CLASS

CONDITION

SPEED KNTS. DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	4.3	7.1	6.0	2.2	2.2							2.3	8.5
NNE	3.3	5.1	9.1	5.1								2.0	8.0
NE	4.3	7.1	1.3	1.1								2.3	6.5
ENE	3.3	1.1	7.1	2.2								2.3	6.5
E	6.0	1.1	6.0	2.2								4.4	6.6
ESE	2.2	0.0	1.1	2.2								1.4	7.2
SE	2.2	0.0	1.4	2.2	1.1							2.3	7.6
SSE	5.1	0.0	1.3	7.1	2.2	2.2						3.4	9.8
S	5.1	1.1	3.9	3.2	1.2	2.2	1.1					10.4	10.9
SSW	7.1	1.1	3.9	3.9	1.9	3.3	1.1					11.9	11.5
SW	3.3	1.1	4.9	4.8	2.1	2.3						13.1	12.0
WSW	3.3	1.1	2.4	2.4	2.3	4.4						9.9	12.9
W	6.0	1.0	3.9	4.9	2.0	1.0	2.2					12.6	12.9
WNW	2.2	1.0	2.1	1.7	1.0	2.2						6.2	11.2
NW	6.0	1.0	3.0	2.2	6.6	1.1						7.4	9.9
NNW	5.1	1.2	1.9	1.9	2.2							2.3	8.9
VARBL													
CALM												3.3	
	6.4	14.5	32.2	27.7	12.1	2.5	1.3					100.0	10.4
													1917

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

43-48.53-68  
YEARS

YEARS

NDV  
MONTH

1500-1700  
HOURS-UT

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS, DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	2.3	1.3	5.5	6.5		1.1						2.7	7.4
NNE	4.4	8.8	7.7	5.2	1.1							2.3	7.9
NE	7.7	1.1	9.9	2.2								2.8	6.0
ENE	6.6	1.1	1.0	2.2								2.9	6.3
E	6.6	1.6	1.7	2.2								4.1	6.2
ESE	2.2	7.7	1.1	1.1	1.1	1.1						1.2	6.4
SE	2.2	1.2	1.1	1.1	1.1	1.1	1.1					2.4	6.3
SSE	2.2	1.1	1.2	1.7	2.2	1.1	1.1					2.8	8.7
S	7.7	2.5	4.9	2.0	6.6	1.1	1.1					11.8	2.3
SSW	2.2	2.0	2.3	3.1	7.7	1.1	1.1					9.8	10.1
SW	2.2	2.0	4.0	2.2	1.2	2.2	2.2					11.9	10.4
WSW	6.6	1.4	2.2	2.2	1.2	2.2	2.2					9.0	11.6
W	6.6	1.3	2.0	4.7	1.9	2.2	2.2	2.2				14.1	11.8
WNW	2.2	1.2	2.1	1.7	1.8	1.1	1.1	1.1				6.3	10.5
NW	2.2	1.4	2.9	2.0	1.9	2.2	2.2	2.2				7.2	9.6
NNW	2.2	1.0	1.6	1.8	1.1	1.1	1.1	1.1				4.0	8.1
VARBL													
CALM												4.2	
	7.7	21.7	32.1	24.0	7.2	1.9	1.5	1.1				100.0	9.2
												TOTAL NUMBER OF OBSERVATIONS	
												1968	

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

12041  
STATION

WILMINGTON OHIO/CLINTON CL AFB  
STATION NAME

43-48, 52-68  
YEARS

NOV  
MONTH

1800-2000  
HOURS (LST)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	0.5	0.9	0.8	0.4	0.1	0.1						2.7	7.6
NNE	0.7	1.1	0.8	0.1								2.7	5.7
NE	1.2	1.3	0.9	0.4								3.9	5.6
ENE	0.7	1.1	1.1	0.4								3.2	6.6
E	1.2	2.2	1.2	0.5								4.2	5.6
ESE	0.9	1.2	0.6	0.1								2.3	5.5
SE	0.9	1.8	1.8	0.2								4.5	6.2
SSE	0.9	1.7	1.6	0.6				0.1				4.6	7.3
S	1.7	4.5	5.2	1.0	0.1			0.1				13.7	7.5
SSW	0.7	1.5	2.5	2.2	0.4	0.1						7.7	8.9
SW	1.0	1.7	2.2	2.4	1.1	0.2	0.1					7.5	9.1
WSW	0.7	1.0	2.3	1.7	0.6	0.2	0.1					6.5	10.0
W	1.1	2.5	2.4	2.0	0.9	0.4						11.6	9.7
WNW	0.6	1.2	2.3	1.6	0.5							6.0	9.2
NW	0.5	1.2	2.6	0.9	0.4	0.1						5.5	8.9
NNW	0.6	1.0	1.1	0.7	0.3			0.1				2.7	8.8
VARBL													
CAIM												9.2	
	12.7	26.3	30.9	16.2	3.3	0.9	0.2	0.1				100.0	7.3
TOTAL NUMBER OF OBSERVATIONS													1968

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N, C, 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

19541  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

42-40-52-68  
YEARS

YEARS

NDV  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS-UTS T

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	5	8	9	4	1							2.6	7.3
NNE	4	1.2	4	1	1							2.2	5.5
NE	8	1.2	1	1								3.2	5.6
ENE	7	1.2	1	1								3.8	7.0
E	7	1.2	1	1								4.2	6.1
ESE	7	1.2	1	1								3.0	6.1
SE	9	1.2	1	1								3.5	6.4
SSE	6	1.2	1	1								3.6	7.2
S	1.1	2.9	4	1	1	2						12.0	8.2
SSW	7	1.2	1	1								8.9	9.0
SW	7	1.2	1	1								7.8	9.5
WSW	2	1.2	1	1								6.2	10.4
W	1.8	2.0	1	1								11.3	9.3
WNW	7	1.2	1	1								6.3	8.7
NW	5	1.2	1	1								5.5	10.1
NNW	5	1.2	1	1								3.5	8.3
VARBI	6	1	1	1								10.4	
CALM												100.0	7.5
	11.7	22.9	32.1	15.9	4.4	9.2	1.1						
													1900

TOTAL NUMBER OF OBSERVATIONS



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13861  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

43-48.33-68  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (LST)

CONDITION

SPEED KNTS DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	4.4	2.7	8.0	4.4	1.1	0.0						2.7	7.3
NNE	4.4	0.0	7.7	2.2	0.0							2.1	6.5
NE	0.0	1.2	1.1	2.2	0.0							3.1	6.1
NNE	2.2	1.1	1.1	4.4								2.2	7.0
E	7.7	1.7	1.7	3.3	0.0							4.5	6.5
ESE	2.2	1.0	1.9	2.2	0.0	0.0						2.5	6.8
SE	0.0	1.2	1.6	2.2	0.0	0.0						3.8	6.6
SSE	0.0	1.2	1.6	2.2	0.0	0.0						3.8	8.4
S	0.0	2.6	2.0	2.7	2.5	1.1	0.0					11.9	9.0
SSW	0.0	1.9	2.2	2.7	0.0	1.1	0.0					9.4	10.0
SW	0.0	1.2	2.8	3.4	1.0	1.1	0.0					10.4	10.5
WSW	5.5	1.1	2.4	2.2	1.1	3.3	0.0					7.6	11.3
W	9.9	1.8	2.9	2.2	1.2	4.4	1.1	0.0				11.6	10.8
WNW	4.4	1.2	2.0	1.5	0.0	1.1	0.0	0.0				5.7	9.8
NW	3.3	1.2	2.2	1.5	0.0	1.1	0.0	0.0				6.1	9.3
NNW	3.3	1.0	1.2	1.2	0.0	0.0	0.0					3.7	8.7
VARBL													
CALM												8.0	
	8.9	21.7	33.3	20.7	6.1	1.3	2.1	0.0				100.0	8.4
TOTAL NUMBER OF OBSERVATIONS													14724

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13861

WILMINGTON OHIO/CLINTON CO AFB

43-48, 59-67

YEAR

DEC  
MONTH

0000-0200  
HOURS-UT

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	0.9	1.4	1.8	0.9	0.2	0.1						5.3	7.9
NNE	0.2	0.8	0.8	0.5								2.3	7.7
NE	0.4	0.9	1.0	0.3	0.2							3.4	7.9
ENE	0.4	0.8	1.4	0.5	0.1							2.7	7.9
E	0.4	1.9	2.5	0.9								5.7	7.6
ESE	0.1	1.2	1.8	0.1								2.1	6.2
SE	0.1	1.7	1.3	0.5								3.6	7.1
SSE	0.3	1.0	1.6	0.5								2.8	8.1
S	0.9	2.4	2.4	2.2	0.4	0.1						11.8	8.6
SSW	0.5	1.2	4.3	2.0	0.2							8.8	8.9
SW	0.5	2.4	4.1	3.6	0.9	0.2						12.1	10.0
WSW	0.4	1.2	2.6	1.4	0.7	0.1						6.4	10.1
W	0.4	1.9	2.2	2.1	1.2	0.1						9.9	10.7
WNW	0.2	0.9	2.2	1.9	0.4							5.5	10.0
NW	0.2	2.0	1.8	2.0	0.8	0.1	0.1					7.0	10.2
NNW	0.2	0.5	1.0	0.7	0.2	0.1						2.7	9.2
VARBL													
CALM												7.3	
	6.4	21.7	27.2	21.0	5.4	0.8	0.1					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

1675

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13241  
STATION

WILMINGTON OHIO/CLINTON CO 488  
STATION NAME

43-48.53-67  
YEARS

DEC  
MONTH

0300-0500  
HOURS (LST)

ALL WEATHER  
CLASS

CONDITION

SPEED KNTS DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.8	2.5	1.7	1.2							4.7	8.3
NNE	1.4	1.8	1.4	1.2	1.0							2.0	6.7
NE	1.2	1.1	1.4	1.0	1.1							3.4	8.2
ENE	1.2	1.1	1.5	1.4	1.4							2.8	7.6
E	1.4	1.2	1.8	1.5	1.1							5.1	8.6
ESE	1.1	1.0	1.0	1.3	1.1							2.7	7.0
SE	1.2	1.0	1.6	1.2	1.4							2.5	6.9
SSE	1.4	1.0	1.3	1.4	1.4							3.2	7.0
S	1.6	2.0	3.1	2.3	1.0	1.1	1.1					12.2	8.7
SSW	1.6	1.0	3.1	2.3	1.4	1.4						10.0	9.4
SW	1.7	2.0	4.4	3.3	1.2	2.1						11.9	10.2
WSW	1.4	1.0	1.4	1.1	1.7	2.1						5.2	10.3
W	1.5	1.0	2.7	1.5	1.8	2.1						9.1	10.3
WNW	1.3	1.2	2.1	1.5	1.5	1.5						5.6	9.9
NW	1.4	1.7	2.1	2.4	1.6	2.1						7.4	10.4
NNW	1.1	1.7	1.2	1.8	1.1	1.1						2.0	9.3
VARBL													
CALM												8.2	
	61.9	31.7	65.2	21.0	2.5	1.7	1.1					100.0	8.4
												TOTAL NUMBER OF OBSERVATIONS	
												1584	

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13881

WILMINGTON OHIO/CLINTON CG AFB

43-48, 53-67

YEARS

GEC  
MONTH

0600-0800  
HOURS (EST)

ALL WEATHER  
CLASS

CONDITION

SPEED KNTS DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	MEAN WIND SPEED
N	1.4	1.9	1.7	1.6	1.2	1.1						3.8
NNE	1.2	1.3	1.6	1.3								1.9
NE	1.4	1.6	1.4	1.7								1.9
NNE	1.2	1.8	1.1	1.4								2.5
E	1.4	1.1	1.6	1.4	1.3							3.0
ESE	1.2	1.9	1.3	1.4								2.9
SE	1.3	1.2	1.3	1.2								3.2
SSE	1.4	1.3	1.8	1.1	1.1							3.7
S	1.8	1.4	1.7	3.3	1.6	1.1						12.9
SSW	1.7	1.8	1.2	2.3	1.3							10.8
SW	1.0	1.0	1.1	2.2	1.8	1.1						11.3
WSW	1.2	1.0	1.1	1.0	1.8							2.3
W	1.7	2.2	2.8	2.9	1.5	1.1						9.7
WNW	1.4	1.1	1.8	1.1	1.7	1.1						3.2
NW	1.9	1.2	2.3	1.2	1.2	1.1						6.2
NNW	1.5	1.1	1.7	1.4	1.2							4.8
VARBL												7.2
ALM												
	8.5	21.7	35.6	20.7	3.6	1.7						100.6
												8.3
												1676

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

43-48, 53-67  
YEARS

DEC  
MONTH

0900-1100  
HOURS-UT

ALL WEATHER  
CLASS

CONDITION

SPEED KNTS DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	12	0	14	0	1							2.8	8.5
NNE	2	0	0	0	2							2.3	8.5
NE	0	0	0	0	0							3.0	8.0
ENE	1	0	1	0	1							2.5	9.2
E	4	1	1	0	1							4.2	7.9
ESE	3	1	0	0	1							3.2	7.9
SE	2	1	2	2	0							4.1	7.8
SSE	2	1	2	1	0							3.4	7.9
S	7	2	0	4	2	1						11.9	9.9
SSW	0	1	0	3	0	0	1					10.9	10.6
SW	0	1	0	3	0	0	1	2				13.3	11.2
WSW	0	1	0	4	0	0	1	2				8.3	10.3
W	0	0	0	4	0	0	1	2	1			11.8	10.7
WNW	2	0	2	1	0	1						2.6	10.6
NW	2	0	2	1	0	1						2.3	9.8
NNW	2	0	2	1	0	1						2.7	8.8
VARBL	4	0	2	0	0	0						3.3	
CALM													
	61.0	18.5	35.9	28.9	0.2	1.1	1.1					100.0	9.5
TOTAL NUMBER OF OBSERVATIONS													1870

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841

WILMINGTON OHIO/CLINTON CO AFB

43-48, 53-57

YEARS

DEC

1200-1400  
HOURS TEST

ALL WEATHER  
CLASS

CONDITION

SPEED KNTS DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	2	7	12	5	1							2.7	8.0
NNE	2	6	7	5	1	1						2.1	8.6
NE	4	10	11	7	2							3.4	8.1
ENE	2	4	10	4	2							2.1	9.5
E	2	11	16	6								3.4	8.0
ESE	2	10	9	2								2.3	7.3
SE	4	7	20	7	1							3.8	7.9
SSE	1	2	7	2	1							3.2	7.9
S	2	9	23	6	6	5						10.3	10.7
SSW	1	2	3	4	8	2						9.8	11.5
SW	2	11	22	10	20	2						14.2	12.2
WSW	2	11	28	10	2	4						9.2	12.0
W	2	9	22	10	20	2	1					14.2	11.5
WNW	2	8	21	11	12	2						5.9	11.5
NW	2	3	23	20	7	2						6.6	10.3
NNW	3	6	11	11	4	1						3.7	9.8
VARBL													
CALM												2.1	
	2.7	16.6	34.4	31.6	9.5	2.0	1					100.0	10.4
TOTAL NUMBER OF OBSERVATIONS													1885

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13861  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

43-48, 53-67  
YEARS

DEC  
MONTH

1500-1700  
HOURS (EST)

ALL WEATHER  
CLASS

CONDITION

SPEED KNTS DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	?	MEAN WIND SPEED
N	17	10	11	4	1							2.9	7.0
NNE	13	10	16	3	2							2.4	8.3
NE	13	12	13	7	2							3.7	8.1
ENE	11	13	11	6	1							2.9	9.1
E	13	16	13	5	1							3.8	7.3
ESE	13	11	10	1	1							2.2	6.2
SE	14	17	13	1								3.4	6.2
SSE	13	13	17	4								3.8	7.3
S	12	13	14	7	9	2						11.2	10.0
SSW	12	13	13	8	7	1						8.9	10.0
SW	13	13	12	4	9	2						11.9	10.9
WSW	14	16	17	3	7	2						7.9	10.2
W	13	17	20	1	7	4	1					12.3	10.9
WNW	14	18	21	1	2	3						6.3	11.7
NW	13	14	17	1	3	7						6.6	9.3
NNW	13	10	12	1	5							4.4	9.0
VARBL													
CALM												2.7	
	5.9	21.9	35.9	24.4	7.8	1.3	1.1					100.0	9.4
TOTAL NUMBER OF OBSERVATIONS													1937

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

43-48, 53-67  
YEARS

DEC  
MONTH

1800-2000  
HOURS (EST.)

ALL WEATHER  
CLASS

CONDITION

SPEED KNTS, DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	4.1	1.2	1.0	3.1								2.9	6.8
NNE	6.1	7.1	1.0	3.1	2.1	2.1						2.9	8.1
NE	4.1	1.2	1.5	4.1	2.1							3.7	7.8
ENE	2.1	7.1	1.5	6.1	1.1							3.1	8.7
E	7.1	7.1	1.8	5.1								4.6	6.8
ESE	3.1	7.1	1.1	4.1	1.1							3.5	6.9
SE	6.1	8.1	1.4	1.1								3.9	6.0
SSE	2.1	8.1	7.1	5.1	1.1	1.1						4.7	7.2
S	6.1	8.1	4.1	2.1	6.1	1.1						10.2	9.1
SSW	4.1	4.1	4.1	1.1	4.1	1.1						8.2	9.0
SW	8.1	9.1	8.1	2.1	5.1	1.1						9.7	9.0
WSW	8.1	2.1	2.1	1.1	6.1	1.1						6.1	9.3
W	8.1	2.1	4.1	2.1	1.1	1.1						10.7	9.9
WNW	6.1	2.1	1.1	2.1	6.1							6.9	9.8
NW	7.1	2.1	2.1	1.1	2.1	2.1	1.1					7.0	9.2
NNW	2.1	1.1	1.1	1.1	2.1	1.1		1.1				2.9	9.0
VARBL													
CALM												7.8	
	8.2	29.2	33.2	17.5	5.1	4.1	1.1					100.0	8.7
TOTAL NUMBER OF OBSERVATIONS													1937



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841

WILMINGTON OHIO/CLINTON CO AFB

43-48, 53-67

YEARS

DEC  
MONTH

2100-2300  
HOURS (EST.)

ALL WEATHER  
CLASS

CONDITION

SPEED KNTS DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	MEAN WIND SPEED
N	.7	1.0	1.6	.5	.1	.1						3.9
NNE	.5	.6	1.1	.6	.2	.2						3.1
NE	.2	1.1	1.0	.5	.2							3.0
ENE	.2	1.0	1.9	.4	.1							3.3
E	.3	1.2	2.9	.3	.1							4.7
ESE	.2	1.5	1.9	.4								3.2
SE	.4	1.0	1.9	.1								3.4
SSE	.3	1.5	2.1	.6								4.8
S	.6	3.4	3.8	2.6	.4	.2	.1					11.1
SSW	.4	1.8	3.3	2.0	.3	.2						7.8
SW	.9	1.6	4.4	2.3	.7	.1						10.4
WSW	.7	1.4	1.8	.9	.5	.2						6.2
W	.7	2.0	2.3	.9	.6	.1	.1					10.8
WNW	.5	1.3	2.2	.0	.7	.1	.1					6.8
NW	.7	1.8	2.4	.3	.8	.1						7.1
NNW	.4	.8	1.2	.9	.1							2.8
VARBL												7.2
CALM												7.2
	7.5	24.2	35.9	19.2	4.9	1.0	.2	.1				100.0
TOTAL NUMBER OF OBSERVATIONS												1927

[illegible]

;

222

1

1

**I**

11

71

6 2 6

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

43-49,53-68  
YEARS

ALL  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS 11ST

CONDITION

SPEED KNTS DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.4	1.7	.7	.1	.0	.0					4.6	7.7
NNE	.5	1.2	1.3	.5	.1	.0		.0				3.5	7.3
NE	.6	1.7	2.0	.6	.1	.0		.0				5.1	7.3
ENE	.4	1.3	1.7	.6	.1	.0						4.1	7.8
E	.8	2.1	2.1	.6	.1	.0						3.6	6.9
ESE	.5	1.3	1.0	.3	.0	.0						3.0	6.4
SE	.6	1.5	1.3	.3	.0	.0						3.8	6.4
SSE	.4	1.3	1.3	.4	.1	.0	.0					3.5	7.3
S	1.0	2.8	3.8	1.9	.4	.1	.0					10.0	8.3
SSW	.6	1.8	2.1	2.0	.5	.1	.0	.0				8.1	9.4
SW	.7	1.8	3.4	2.4	.5	.1	.0	.0	.0			9.1	9.5
WSW	.4	1.3	2.1	1.6	.9	.1	.0	.0	.0	.0		6.2	9.9
W	.7	1.8	2.1	2.0	.9	.3	.1	.0	.0	.0	.0	9.4	10.3
WNW	.3	1.0	1.9	1.3	.3	.1	.0	.0	.0			4.9	10.4
NW	.3	1.3	2.0	1.2	.3	.1	.0	.0				3.5	9.2
NNW	.4	1.0	1.3	.7	.2	.0	.0					3.5	8.4
VARBL													
CALM												9.8	
	4.9	24.8	33.0	17.9	4.4	1.0	.2	.0	.0	.0	.0	100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

174666

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

43-49.58-68  
YEARS

ALL  
MONTH

INSTRUMENT  
CLASS

ALL  
HOURS (L'S T.)

CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,  
AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE  
CONDITION

SPEED (KNOTS, DIR	1 3	4 6	7 10	11 16	17 21	22 27	28 33	34 40	41 47	48 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	2.7	1.6	.4	.1						6.5	9.2
NNE	1.4	1.9	1.7	1.0	.2	.0						4.3	9.1
NF	1.4	1.4	2.5	1.3	.3	.0						6.0	8.8
ENE	1.3	1.2	2.1	1.2	.1	.0						3.0	8.8
E	1.6	1.9	2.3	1.1	.1	.0						6.1	7.9
ESE	1.3	1.0	1.2	.5	.0							2.9	7.7
SE	1.3	.9	1.2	.4	.1	.0						3.0	7.5
SSE	1.2	.7	1.0	.6	.1	.0						2.7	8.9
S	1.5	1.4	2.5	2.0	.4	.1	.0					6.9	9.5
SSW	1.3	.9	2.1	1.7	.4	.1	.0					3.7	10.2
SW	1.3	1.3	2.6	2.2	.3	.1	.0					7.2	10.1
WSW	1.4	1.1	2.1	1.8	.7	.2	.0		.0			6.3	10.7
W	1.6	1.8	3.6	4.2	1.8	.3	.1	.0				12.5	11.8
WNW	1.3	1.0	1.9	2.0	.9	.2	.0	.0				6.4	11.4
NW	1.3	1.3	2.7	2.3	.8	.2	.0					7.7	10.3
NNW	1.2	1.1	2.0	1.2	.4	.1	.0					3.4	9.7
VARBL													
CALM												3.4	
	6.3	19.3	34.4	25.5	7.2	1.6	.3	.0	.0			100.0	9.3

TOTAL NUMBER OF OBSERVATIONS

23523

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

## PART D

## CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	$\geq 10$	$\geq 5$	$\geq 5$	$\geq 4$	$\geq 3$	$\geq 2\frac{1}{2}$	$\geq 2$	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	$\geq 1$	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{2}$	$\geq 5/16$	$\geq 0$
NO CEILING															
IV 1800															
IV 1500					91.0										92.6
IV 1200															
IV 1000															
IV 900															
IV 800															
IV 700															
IV 600															
IV 500									97.4						98.1
IV 400															
IV 300															
IV 200															
IV 100															
IV 0					95.4		96.9		98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq 0$ .  
For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%.  
Ceiling  $\geq 500$  feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table:  
Visibility  $\geq 3$  miles = 95.4%.  
Visibility  $\geq 2$  miles = 96.9%.  
Visibility  $\geq 1$  mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq 1500$  feet with visibility  $\geq 3$  miles = 91.0%.

#### ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling  $< 1500$  feet and/or visibility  $< 3$  miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling  $< 1500$  feet and/or visibility  $< 3$  miles.

Likewise, the percentage of observations with ceiling  $< 500$  feet and/or visibility  $< 1$  mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $\geq 1$  mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $\geq 1$  mile, but  $< 3$  miles; or ceiling  $\geq 500$  feet, but  $< 1500$  feet with visibility  $\geq 1$  mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841

WILMINGTON OHIO/CLINTON CO AFB

44-49, 54-61, 63-68

JD

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	15.0	31.2	32.9	34.4	35.2	35.4	35.8	35.8	35.8	36.0	36.1	36.1	36.1	36.1	36.2	36.2
≥ 20000	17.5	36.4	39.0	41.0	42.0	42.1	42.7	42.7	42.7	43.0	43.1	43.1	43.1	43.1	43.2	43.2
IV 18000	17.5	36.6	39.1	41.1	42.1	42.3	42.8	42.8	42.8	43.1	43.3	43.3	43.3	43.3	43.3	43.3
IV 16000	17.5	36.7	39.3	41.4	42.4	42.5	43.0	43.1	43.1	43.3	43.5	43.5	43.5	43.5	43.6	43.6
IV 14000	17.8	37.3	39.9	42.0	43.0	43.1	43.7	43.7	43.7	44.0	44.2	44.2	44.2	44.2	44.2	44.2
IV 12000	17.9	38.1	40.7	43.0	44.2	44.3	44.8	44.9	44.9	45.2	45.4	45.4	45.4	45.4	45.4	45.4
IV 10000	18.3	39.3	42.0	44.3	45.7	45.8	46.3	46.6	46.6	46.9	47.0	47.0	47.0	47.0	47.1	47.1
IV 9000	18.4	40.0	42.7	45.2	46.8	46.9	47.5	47.8	47.8	48.0	48.2	48.2	48.2	48.2	48.2	48.2
IV 8000	19.2	41.5	44.5	47.0	48.8	49.0	49.5	49.8	49.8	50.0	50.2	50.2	50.2	50.2	50.3	50.3
IV 7000	19.6	42.9	45.8	48.7	50.7	50.8	51.4	51.7	51.7	51.9	52.1	52.1	52.1	52.1	52.2	52.2
IV 6000	19.7	43.7	46.7	49.6	51.6	51.8	52.4	52.7	52.7	52.9	53.1	53.1	53.1	53.1	53.1	53.1
IV 5000	20.5	44.8	48.0	50.9	53.0	53.1	53.7	54.0	54.1	54.3	54.5	54.5	54.5	54.5	54.6	54.6
IV 4500	20.9	45.7	49.0	51.9	54.0	54.1	54.7	55.1	55.1	55.4	55.5	55.5	55.5	55.5	55.6	55.6
IV 4000	20.9	46.7	50.1	53.3	55.7	55.8	56.4	56.8	56.9	57.1	57.3	57.3	57.3	57.3	57.4	57.4
IV 3500	21.0	47.4	51.1	54.7	57.2	57.3	57.9	58.3	58.3	58.6	58.8	58.8	58.8	58.8	58.9	58.9
IV 3000	21.6	48.7	52.9	56.9	59.4	59.5	60.5	60.9	60.9	61.2	61.3	61.3	61.3	61.4	61.5	61.5
IV 2500	22.4	52.3	57.3	61.8	64.8	65.0	66.1	66.5	66.5	66.8	67.0	67.0	67.0	67.0	67.1	67.1
IV 2000	23.5	55.7	61.3	66.5	70.4	70.6	71.8	72.2	72.2	72.5	72.7	72.7	72.7	72.8	72.9	72.9
IV 1800	23.5	56.1	61.8	66.9	71.0	71.2	72.4	72.8	72.8	73.1	73.3	73.3	73.3	73.4	73.5	73.5
IV 1500	23.5	57.6	63.9	69.4	74.0	74.2	75.6	76.1	76.1	76.8	77.1	77.1	77.1	77.2	77.3	77.3
IV 1200	23.9	59.0	65.7	71.5	76.8	77.2	78.9	79.5	79.5	80.4	80.7	80.7	80.7	80.8	80.8	80.8
IV 1000	23.9	59.5	66.7	72.6	78.0	78.7	80.8	81.6	81.6	82.8	83.1	83.1	83.1	83.2	83.3	83.4
IV 900	23.9	59.7	67.1	73.5	79.3	80.1	82.4	83.1	83.2	84.4	84.7	84.7	84.7	84.9	85.0	85.0
IV 800	23.9	60.0	67.6	74.3	80.4	81.4	83.8	84.5	84.6	85.8	86.3	86.3	86.3	86.6	86.7	86.7
IV 700	24.0	60.1	67.9	74.8	81.1	82.2	84.7	85.3	85.6	86.8	87.3	87.3	87.3	87.7	87.8	87.9
IV 600	24.0	60.2	68.2	75.5	82.5	83.5	87.0	87.7	87.9	89.5	89.9	89.9	89.9	90.5	90.6	90.7
IV 500	24.0	60.4	68.4	75.6	83.0	84.4	87.8	88.6	88.9	90.8	91.4	91.4	91.4	92.0	92.3	92.3
IV 400	24.0	60.4	68.5	75.8	83.4	84.8	88.6	89.3	89.8	91.9	92.9	93.1	93.1	93.8	94.1	94.3
IV 300	24.0	60.4	68.6	76.0	83.8	85.3	89.3	90.2	90.5	92.8	94.0	94.2	94.2	95.1	95.5	95.6
IV 200	24.0	60.4	68.6	76.0	83.8	85.3	89.3	90.2	90.5	93.0	94.4	94.6	94.6	95.3	96.0	97.0
IV 100	24.0	60.4	68.6	76.1	83.8	85.3	89.4	90.4	90.6	93.1	94.4	94.7	94.7	95.9	97.0	97.5
IV 0	24.0	60.4	68.6	76.1	83.8	85.3	89.4	90.4	90.6	90.1	94.4	94.7	94.7	96.9	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1671



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

## CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CO APB  
STATION NAME

44=49, 54=61, 65=68  
YEARS

JAN  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	11,3 12,7	24,4 32,6	30,1 34,8	33,1 36,2	31,8 37,3	32,2 37,7	32,6 38,2	32,6 38,2	32,6 38,2	32,6 38,2	32,8 38,4	32,8 38,4	32,9 38,5	32,9 38,5	32,9 38,5	33,0 38,8
IV 18000 16000	12,7 12,7	32,7 32,9	34,9 35,1	36,3 36,5	37,4 37,6	37,8 38,2	38,2 38,7	38,2 38,7	38,2 38,7	38,2 38,7	38,4 38,9	38,4 38,9	38,6 39,0	38,6 39,0	38,6 39,0	38,9 39,3
IV 14000 12000	12,8 12,9	33,2 33,7	35,4 36,0	37,0 37,3	38,3 38,6	38,7 39,1	39,1 40,2	39,1 40,3	39,1 40,3	39,1 40,3	39,3 40,6	39,3 40,6	39,4 40,8	39,4 40,8	39,4 40,8	39,8 40,1
IV 10000 9000	13,4 13,6	35,4 35,8	37,7 38,1	39,4 39,9	41,2 42,0	41,7 42,4	42,2 43,0	42,4 43,2	42,4 43,2	42,4 43,2	42,6 43,4	42,6 43,4	42,7 43,5	42,7 43,5	42,7 43,5	43,1 43,8
IV 8000 7000	14,1 14,3	36,8 38,2	39,1 40,5	41,0 43,0	43,4 45,7	43,9 46,2	44,5 47,0	44,6 47,3	44,6 47,3	44,6 47,3	44,8 47,5	44,8 47,5	45,0 47,6	45,0 47,6	45,0 47,6	45,3 47,9
IV 6000 5000	14,8 15,5	39,1 40,3	41,4 42,8	44,0 45,3	47,2 48,8	47,7 49,3	48,5 50,2	48,8 50,3	48,8 50,3	48,8 50,3	49,0 50,6	49,0 50,6	49,1 50,7	49,1 50,7	49,1 50,7	49,5 51,0
IV 4500 4000	15,9 15,8	41,0 42,2	43,8 45,1	46,7 48,3	50,0 51,7	50,5 52,2	51,4 53,2	51,7 53,7	51,7 53,8	51,7 53,8	52,0 54,0	52,0 54,0	52,1 54,2	52,1 54,2	52,1 54,2	52,4 54,5
IV 3500 3000	16,2 16,9	43,3 45,1	46,5 48,1	49,7 52,0	53,3 56,2	54,0 56,7	55,2 58,1	55,7 58,7	55,7 58,8	55,7 58,8	56,0 59,1	56,0 59,1	56,1 59,2	56,1 59,2	56,1 59,2	56,4 59,5
IV 2500 2000	17,1 17,8	46,0 50,8	52,1 55,8	56,4 60,7	61,1 66,3	61,6 66,9	63,0 68,4	63,6 69,0	63,8 69,2	63,9 69,3	64,1 69,5	64,1 69,5	64,2 69,6	64,2 69,6	64,2 69,6	64,6 69,9
IV 1800 1500	18,1 18,9	51,3 53,4	56,8 59,2	62,0 64,7	68,0 71,7	68,6 72,3	70,3 74,2	70,8 74,8	71,0 75,0	71,1 75,1	71,3 75,3	71,3 75,3	71,5 75,6	71,5 75,6	71,5 75,6	71,8 75,9
IV 1200 1000	18,8 18,8	54,7 55,4	60,8 62,1	66,7 68,6	74,2 76,4	74,8 77,3	77,0 80,1	77,5 80,9	77,5 80,9	78,1 81,4	78,4 81,7	78,4 81,7	78,8 81,8	78,8 81,8	78,8 81,8	78,8 82,1
IV 900 800	18,9 19,0	55,6 56,0	62,4 62,8	69,1 69,8	77,4 78,5	78,1 79,3	81,0 82,2	81,7 83,1	81,9 83,3	82,3 83,6	82,6 84,4	82,6 84,4	82,8 84,5	82,8 84,5	82,8 84,6	83,1 84,9
IV 700 600	19,0 19,0	56,1 56,2	63,1 63,4	70,2 70,8	79,2 80,5	80,0 81,3	83,1 84,8	84,0 86,0	84,2 86,2	84,8 87,1	85,5 87,6	85,5 87,6	85,7 88,3	85,7 88,3	85,8 88,3	86,2 88,8
IV 500 400	19,0 19,0	56,6 56,6	63,9 63,9	71,3 71,8	81,2 81,7	82,2 82,6	85,0 86,8	87,3 88,6	87,7 89,0	88,9 90,3	89,6 91,2	89,6 91,2	90,2 91,9	90,2 91,9	90,5 92,0	90,8 92,7
IV 300 200	19,0 19,0	56,6 56,6	64,1 64,2	71,8 72,0	82,3 82,4	83,3 83,4	87,5 87,8	89,3 90,0	89,7 90,2	91,2 91,9	92,5 93,5	92,5 93,5	93,8 95,3	94,0 95,7	94,5 96,2	94,8 96,7
IV 100 0	19,0 19,0	56,6 56,6	64,2 64,2	72,0 72,0	82,4 82,4	83,4 83,4	87,9 87,9	90,2 90,2	90,4 90,4	92,0 92,0	93,7 93,7	93,7 93,7	96,2 96,2	96,4 96,4	97,4 97,4	98,5 100,0

TOTAL NUMBER OF OBSERVATIONS. 1577

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

12841  
STATION

WILMINGTON OHIO/CLINTON CU AFB  
STATION NAME

44-49,54-61,63-68  
YEARS

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.2	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	9.9	20.8	23.4	25.6	27.0	27.2	27.5	27.8	27.8	28.0	28.2	28.2	28.4	28.4	28.4	28.4
≥ 20000	10.2	23.7	25.3	31.4	33.5	33.6	34.4	34.7	34.7	35.2	35.4	35.4	35.6	35.7	35.7	35.7
IV 13000	10.2	23.7	29.3	31.4	33.5	33.6	34.4	34.7	34.7	35.2	35.4	35.4	35.6	35.7	35.7	35.7
IV 10000	10.2	23.9	29.4	31.5	33.7	33.7	34.6	34.9	34.9	35.3	35.6	35.6	35.7	35.8	35.8	35.9
IV 14000	10.3	26.2	29.9	32.0	34.3	34.3	35.2	35.5	35.5	36.0	36.2	36.2	36.4	36.5	36.5	36.5
IV 12000	11.0	27.4	31.0	33.4	35.8	35.8	37.0	37.4	37.4	38.1	38.4	38.4	38.6	38.6	38.6	38.7
IV 10000	11.6	29.3	33.4	36.2	38.6	38.6	39.9	40.4	40.4	41.3	41.6	41.6	41.7	41.8	41.8	41.9
IV 9000	11.6	29.8	33.6	36.7	39.3	39.3	40.7	41.2	41.2	42.1	42.3	42.3	42.5	42.6	42.6	42.6
IV 8000	12.2	30.7	35.0	38.0	40.8	40.8	42.2	42.6	42.6	43.5	43.8	43.8	44.0	44.0	44.0	44.1
IV 7000	12.4	31.3	35.7	39.0	41.9	41.9	43.4	44.0	44.0	44.9	45.1	45.1	45.3	45.3	45.3	45.4
IV 6000	12.8	32.3	36.9	40.4	43.5	43.5	45.1	45.9	45.9	46.8	47.0	47.0	47.2	47.2	47.2	47.3
IV 5000	13.6	33.7	38.4	42.3	45.6	45.6	47.4	48.1	48.1	49.0	49.3	49.3	49.5	49.5	49.5	49.6
IV 4500	13.8	34.1	38.9	42.9	46.2	46.2	48.1	48.9	48.9	49.8	50.1	50.1	50.3	50.3	50.3	50.4
IV 4000	13.8	35.2	40.2	44.1	47.8	47.8	49.9	50.8	50.8	51.7	52.0	52.0	52.2	52.2	52.2	52.3
IV 3500	14.0	36.6	41.9	45.9	49.9	49.9	52.0	52.9	52.9	53.9	54.1	54.1	54.3	54.4	54.4	54.5
IV 3000	14.4	38.2	43.6	48.0	52.3	52.3	54.7	55.7	55.7	56.7	56.9	56.9	57.1	57.2	57.2	57.3
IV 2500	14.8	40.1	46.0	50.8	55.5	55.5	58.2	59.3	59.3	60.5	60.8	60.8	61.0	61.1	61.1	61.2
IV 2000	15.7	43.2	50.0	55.0	60.3	60.3	63.3	64.7	64.7	65.9	66.2	66.2	66.5	66.6	66.6	66.8
IV 1800	15.8	43.5	50.7	55.3	61.4	61.4	64.5	66.0	66.0	67.2	67.6	67.6	67.8	68.0	68.0	68.1
IV 1500	16.3	45.3	52.9	58.4	64.4	64.4	68.0	69.8	69.8	71.2	71.7	71.7	72.0	72.1	72.1	72.3
IV 1200	16.5	47.0	55.0	61.3	68.1	68.1	72.3	74.1	74.1	75.6	76.1	76.1	76.4	76.5	76.5	76.7
IV 1000	16.6	47.7	56.2	63.1	70.8	70.8	75.6	77.6	77.6	79.1	79.6	79.6	80.1	80.2	80.4	80.5
IV 900	16.7	47.9	56.4	63.3	71.6	71.6	76.6	78.7	78.7	80.3	80.8	80.8	81.3	81.4	81.6	81.8
IV 800	16.9	48.1	57.1	64.4	72.9	72.9	78.4	80.4	80.4	82.2	82.7	82.7	83.3	83.4	83.8	84.0
IV 700	16.9	48.1	57.1	64.5	73.4	73.4	78.7	81.0	81.0	83.2	83.7	83.7	84.3	84.4	84.9	85.2
IV 600	16.9	48.3	57.6	65.4	74.7	74.7	80.4	82.9	82.9	85.4	85.9	85.9	86.5	86.6	87.3	87.7
IV 500	17.0	48.7	58.4	66.3	76.0	76.0	82.3	84.9	84.9	87.0	87.5	87.5	88.1	88.2	88.9	89.3
IV 400	17.0	48.9	58.6	66.6	76.5	76.5	83.3	85.9	85.9	88.3	88.8	88.8	89.4	89.5	90.3	90.5
IV 300	17.0	48.9	58.7	66.7	77.0	77.0	84.0	86.8	86.8	89.3	89.8	89.8	90.4	90.5	91.3	91.5
IV 200	17.0	48.9	58.7	66.8	77.2	77.2	84.4	87.3	87.3	90.0	90.5	90.5	91.1	91.2	92.0	92.2
IV 100	17.0	48.9	58.7	66.8	77.2	77.2	84.4	87.3	87.3	90.0	90.5	90.5	91.1	91.2	92.0	92.2
IV 0	17.0	48.9	58.7	66.8	77.2	77.2	84.4	87.3	87.3	90.0	90.5	90.5	91.1	91.2	92.0	92.2

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING DIVISION  
RTAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-49,54-68  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	10,1	19,8	21,9	23,2	24,4	24,9	24,9	25,0	25,0	25,0	25,1	25,1	25,1	25,1	25,2	25,2
≥ 20000	12,7	26,9	30,3	32,0	34,0	34,2	34,9	35,2	35,4	35,6	35,7	35,7	35,8	35,8	35,9	36,0
WV 18000	13,7	26,9	30,3	32,0	34,0	34,2	34,9	35,2	35,4	35,6	35,7	35,7	35,8	35,9	36,0	36,0
WV 16000	13,7	26,9	30,3	32,0	34,0	34,2	34,9	35,2	35,4	35,6	35,7	35,7	35,8	35,9	36,0	36,0
WV 14000	13,9	27,2	30,6	32,4	34,4	34,7	35,4	35,6	35,8	36,0	36,1	36,3	36,4	36,5	36,6	36,7
WV 12000	14,7	28,9	32,4	34,6	36,9	37,2	38,0	38,6	38,8	39,0	39,1	39,1	39,2	39,3	39,4	39,5
WV 10000	15,2	30,2	34,0	36,5	39,1	39,3	40,4	41,2	41,4	41,6	41,8	41,8	41,9	41,9	42,0	42,1
WV 9000	15,3	30,8	34,5	37,3	39,9	40,3	41,3	42,1	42,3	42,6	42,7	42,7	42,8	42,8	42,9	43,0
WV 8000	16,1	32,4	36,1	38,9	41,9	42,2	43,2	44,2	44,3	44,5	44,7	44,8	44,8	45,0	45,1	45,2
WV 7000	16,2	33,0	36,9	39,8	42,8	43,2	44,4	45,4	45,7	46,0	46,1	46,1	46,2	46,2	46,3	46,4
WV 6000	16,3	33,5	37,8	40,7	43,8	44,2	45,5	46,6	46,9	47,2	47,3	47,3	47,4	47,5	47,6	47,6
WV 5000	16,4	34,4	38,7	42,2	45,3	45,8	47,1	48,2	48,6	48,9	49,0	49,0	49,1	49,2	49,3	49,3
WV 4500	17,2	35,2	39,5	43,0	46,4	46,9	48,3	49,4	49,7	50,0	50,1	50,1	50,2	50,2	50,4	50,5
WV 4000	17,3	36,1	40,5	44,2	47,7	48,2	49,6	50,7	51,0	51,3	51,4	51,4	51,5	51,6	51,7	51,7
WV 3500	17,3	36,9	41,4	45,2	49,0	49,5	51,0	52,1	52,4	52,7	52,8	52,8	52,9	53,0	53,1	53,1
WV 3000	17,6	37,9	43,0	47,2	51,1	51,6	53,2	54,4	54,7	55,0	55,2	55,2	55,3	55,3	55,4	55,5
WV 2500	18,0	39,3	45,0	49,7	53,9	54,4	56,3	57,6	57,9	58,3	58,5	58,5	58,7	58,7	58,8	58,9
WV 2000	19,1	43,1	49,2	54,6	59,2	59,9	62,0	63,5	63,9	64,3	64,7	64,7	64,8	64,9	65,0	65,0
WV 1800	19,4	43,7	50,0	55,7	60,4	61,0	63,3	64,8	65,1	65,7	66,0	66,0	66,2	66,2	66,3	66,4
WV 1500	20,2	45,2	52,1	58,2	63,8	64,8	67,4	69,0	69,4	70,2	70,5	70,5	70,8	70,8	71,0	71,0
WV 1200	20,9	46,9	54,0	60,7	67,1	68,1	71,1	73,0	73,3	74,1	74,7	75,2	75,6	75,7	75,8	75,8
WV 1000	20,9	47,4	55,2	62,3	69,2	70,3	74,0	76,3	76,9	78,4	78,9	79,3	79,9	79,9	79,6	79,6
WV 900	20,9	47,6	55,5	62,8	70,0	71,5	75,0	77,6	78,2	79,8	80,5	80,5	81,0	81,3	81,3	81,3
WV 800	21,1	47,9	56,2	63,7	71,2	72,6	76,1	79,0	79,6	81,5	82,2	82,3	83,0	83,2	83,2	83,2
WV 700	21,2	48,2	56,5	64,2	72,0	73,8	77,8	81,0	81,6	83,9	84,6	84,7	85,3	85,6	85,7	85,8
WV 600	21,3	48,3	56,9	64,8	72,8	74,7	78,8	82,4	83,0	85,0	85,9	86,6	87,6	87,7	87,8	87,9
WV 500	21,3	48,5	57,3	65,3	73,7	75,8	80,8	84,7	85,3	87,9	88,9	89,9	90,0	91,2	91,4	91,5
WV 400	21,3	48,5	57,4	65,8	74,2	76,3	81,6	85,9	86,4	90,0	91,7	91,8	93,2	93,4	93,6	93,6
WV 300	21,3	48,6	57,4	65,8	74,3	76,5	82,0	86,4	86,9	91,0	93,1	93,2	93,0	95,3	95,6	95,8
WV 200	21,3	48,6	57,4	65,8	74,3	76,5	82,3	86,9	87,3	91,4	93,8	94,0	96,1	96,6	97,1	97,8
WV 100	21,3	48,6	57,4	65,8	74,3	76,5	82,3	86,9	87,3	91,4	93,8	94,4	96,3	97,1	97,8	98,8
WV 0	21,3	48,6	57,4	65,8	74,3	76,5	82,3	86,9	87,3	91,4	93,8	94,4	96,3	97,1	97,8	100,0

TOTAL NUMBER OF OBSERVATIONS 1873

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-49-54-68  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	13.3	21.0	23.6	24.3	24.7	24.7	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
≥ 20000	20.0	33.1	35.9	37.3	38.4	38.5	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥ 18000	20.1	33.2	36.0	37.4	38.5	38.6	39.0	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
≥ 16000	20.1	33.2	36.1	37.5	38.6	38.8	39.3	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 14000	20.3	33.6	36.7	38.1	39.3	39.6	40.1	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 12000	21.0	35.7	38.7	40.6	41.9	42.2	42.6	42.7	42.7	42.7	42.8	42.8	42.8	42.8	42.8	42.8
≥ 10000	21.7	37.6	41.0	43.2	44.6	44.9	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 9000	21.9	38.0	41.3	43.5	45.1	45.5	46.0	46.1	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 8000	22.3	39.9	43.3	45.7	47.4	47.7	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 7000	22.6	40.3	43.8	46.2	48.2	48.5	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 6000	22.8	40.8	44.2	46.8	48.9	49.2	49.9	50.0	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 5000	23.0	41.3	44.7	47.3	50.0	50.4	51.1	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 4500	23.2	42.0	45.7	48.4	50.6	51.0	51.8	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 4000	23.5	42.5	46.3	49.0	51.2	51.7	52.4	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 3500	24.0	43.3	47.3	50.3	52.4	52.8	53.7	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 3000	24.4	44.9	49.0	51.8	54.3	54.8	55.6	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 2500	26.0	48.1	52.7	55.8	58.6	59.3	60.3	60.6	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 2000	27.7	51.9	57.3	61.0	64.5	65.1	66.4	66.8	66.8	67.0	67.1	67.1	67.1	67.1	67.1	67.1
≥ 1800	28.1	53.3	59.2	63.1	66.3	67.1	68.5	68.9	69.0	69.2	69.3	69.3	69.3	69.3	69.3	69.3
≥ 1500	28.7	54.8	61.3	65.6	69.3	70.2	71.9	72.3	72.7	73.1	73.4	73.4	73.4	73.4	73.4	73.4
≥ 1200	29.0	56.4	63.6	68.1	72.2	73.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 1000	29.0	57.2	64.9	70.1	73.9	74.9	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 900	29.1	57.3	65.1	70.3	74.6	75.6	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 800	29.2	57.7	65.7	71.2	75.7	76.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 700	29.2	57.8	65.9	71.3	76.3	77.3	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 600	29.2	58.0	66.2	72.2	79.3	80.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 500	29.2	58.1	66.3	72.3	80.0	81.3	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 400	29.2	58.2	66.6	72.8	80.3	82.3	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 300	29.2	58.2	66.6	72.8	80.3	82.3	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 200	29.2	58.3	66.6	72.9	80.6	83.2	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 100	29.2	58.3	66.6	72.9	80.6	83.2	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
0	29.2	58.3	66.6	72.9	80.6	83.2	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6

TOTAL NUMBER OF OBSERVATIONS 1881

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-49-54-68  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY - (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	15,0 23,0	24,5 37,2	26,2 39,9	26,9 41,9	27,1 41,9	27,2 41,9	27,3 42,1	27,3 42,1	27,3 42,1	27,3 42,1	27,3 42,1	27,3 42,1	27,3 42,1	27,3 42,1	27,3 42,1	27,3 42,1
IV 18000 16000	23,0 23,0	37,3 37,3	40,1 40,1	41,3 41,3	42,0 42,1	42,1 42,2	42,2 42,4	42,2 42,4	42,2 42,4	42,2 42,4	42,2 42,4	42,2 42,4	42,2 42,4	42,2 42,4	42,2 42,4	42,2 42,4
IV 14000 12000	23,3 24,8	37,9 40,3	40,7 43,7	42,3 43,7	42,9 46,6	43,1 46,7	43,3 46,9	43,3 46,9	43,3 46,9	43,3 46,9	43,3 46,9	43,3 46,9	43,3 46,9	43,3 46,9	43,3 46,9	43,3 46,9
IV 10000 9000	25,7 25,9	42,5 42,8	45,9 46,3	48,0 48,6	49,1 49,7	49,3 49,9	49,4 50,0	49,4 50,0	49,4 50,0	49,4 50,0	49,4 50,0	49,4 50,0	49,4 50,0	49,4 50,0	49,4 50,0	49,4 50,0
IV 8000 7000	26,5 45,1	44,4 49,3	48,5 51,8	50,7 53,3	52,0 53,3	52,4 53,6	52,6 54,0	52,6 54,0	52,6 54,0	52,6 54,0	52,6 54,0	52,6 54,0	52,6 54,0	52,6 54,0	52,6 54,0	52,6 54,0
IV 6000 5000	26,8 27,1	45,7 47,1	50,1 51,5	52,7 54,2	54,4 56,1	54,8 56,3	55,0 56,7	55,0 56,7	55,0 56,7	55,0 56,7	55,0 56,7	55,0 56,7	55,0 56,7	55,0 56,7	55,0 56,7	55,0 56,7
IV 4500 4000	27,0 27,4	47,1 48,4	51,9 53,1	54,5 55,9	56,5 57,9	57,0 58,3	57,1 58,5	57,2 58,6	57,2 58,6	57,2 58,6	57,2 58,6	57,2 58,6	57,2 58,6	57,2 58,6	57,2 58,6	57,2 58,6
IV 3500 3000	28,3 29,4	49,6 51,1	54,6 56,2	57,4 59,2	59,4 61,4	59,9 61,9	60,2 62,2	60,2 62,3	60,2 62,3	60,2 62,3	60,2 62,3	60,2 62,3	60,2 62,3	60,2 62,3	60,2 62,3	60,2 62,3
IV 2500 2000	30,4 31,0	52,4 56,0	59,0 62,0	62,2 66,2	63,0 69,4	63,6 70,1	64,1 71,1	64,4 71,4	64,4 71,4	64,4 71,4	64,4 71,4	64,4 71,4	64,4 71,4	64,4 71,4	64,4 71,4	64,4 71,4
IV 1800 1500	31,1 31,8	56,3 57,3	62,6 64,0	66,9 69,0	70,3 73,1	71,1 74,0	72,1 75,2	72,3 75,6	72,3 75,7	72,3 75,3	72,3 75,3	72,3 75,3	72,3 75,3	72,3 75,3	72,3 75,3	72,3 75,3
IV 1200 1000	32,1 32,2	58,3 58,9	63,9 66,1	71,0 72,0	73,8 77,4	73,8 79,0	74,6 81,4	74,6 82,4	74,6 82,6	74,6 83,3	74,6 83,3	74,6 83,3	74,6 83,3	74,6 83,3	74,6 83,3	74,6 83,3
IV 900 800	32,3 32,4	59,2 59,4	66,3 66,9	72,6 73,2	78,2 79,2	79,9 81,1	82,6 84,1	83,8 85,4	83,8 85,6	83,8 87,0	83,8 87,0	83,8 87,0	83,8 87,0	83,8 87,0	83,8 87,0	83,8 87,0
IV 700 600	32,4 32,4	59,6 59,7	67,2 67,3	73,7 74,2	80,0 80,7	82,1 82,9	83,4 86,7	83,4 88,3	83,4 88,3	83,4 90,2	83,4 91,0	83,4 91,0	83,4 91,0	83,4 91,0	83,4 91,0	83,4 91,0
IV 500 400	32,4 32,4	59,9 59,9	67,6 67,6	74,3 74,3	81,0 81,2	83,3 83,6	87,6 87,9	89,3 89,3	89,3 90,4	92,0 92,8	93,0 94,2	93,1 94,3	93,1 94,3	93,1 94,3	93,1 94,3	93,1 94,3
IV 300 200	32,4 32,4	59,9 59,9	67,6 67,6	74,3 74,3	81,0 81,4	83,3 83,9	88,3 88,3	90,2 90,3	90,2 91,1	93,6 94,3	95,2 96,1	95,2 96,2	95,2 96,2	95,2 96,2	95,2 96,2	95,2 96,2
IV 100 0	32,4 32,4	59,9 59,9	67,6 67,6	74,3 74,3	81,0 81,4	83,3 83,9	88,3 88,3	90,2 90,3	90,2 91,1	93,6 94,3	95,2 96,1	95,2 96,2	95,2 96,2	95,2 96,2	95,2 96,2	95,2 96,2

TOTAL NUMBER OF OBSERVATIONS 1935

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

18841  
STATION

WILMINGTON OHIO/CLINTON CU AFB  
STATION NAME

44-49, 54-60  
YEARS

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	19.0	30.7	31.1	34.9	35.5	35.5	35.5	35.7	35.7	35.8	35.8	35.8	35.8	35.8	35.8	35.8
≥ 20000	23.9	40.1	40.4	43.8	46.6	46.6	46.6	46.8	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9
IV 18000	23.9	40.1	40.4	43.8	46.6	46.6	46.6	46.8	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9
IV 16000	23.9	40.1	40.4	43.8	46.6	46.6	46.6	46.8	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9
IV 14000	23.9	40.1	40.4	43.8	46.6	46.6	46.6	46.8	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9
IV 12000	23.9	40.1	40.4	43.8	46.6	46.6	46.6	46.8	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9
IV 10000	23.9	40.1	40.4	43.8	46.6	46.6	46.6	46.8	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9
IV 9000	23.9	40.1	40.4	43.8	46.6	46.6	46.6	46.8	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9
IV 8000	23.9	40.1	40.4	43.8	46.6	46.6	46.6	46.8	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9
IV 7000	23.9	40.1	40.4	43.8	46.6	46.6	46.6	46.8	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9
IV 6000	23.9	40.1	40.4	43.8	46.6	46.6	46.6	46.8	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9
IV 5000	23.9	40.1	40.4	43.8	46.6	46.6	46.6	46.8	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9
IV 4500	23.9	40.1	40.4	43.8	46.6	46.6	46.6	46.8	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9
IV 4000	23.9	40.1	40.4	43.8	46.6	46.6	46.6	46.8	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9
IV 3500	23.9	40.1	40.4	43.8	46.6	46.6	46.6	46.8	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9
IV 3000	23.9	40.1	40.4	43.8	46.6	46.6	46.6	46.8	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9
IV 2500	23.9	40.1	40.4	43.8	46.6	46.6	46.6	46.8	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9
IV 2000	23.9	40.1	40.4	43.8	46.6	46.6	46.6	46.8	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9
IV 1800	23.9	40.1	40.4	43.8	46.6	46.6	46.6	46.8	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9
IV 1500	23.9	40.1	40.4	43.8	46.6	46.6	46.6	46.8	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9
IV 1200	23.9	40.1	40.4	43.8	46.6	46.6	46.6	46.8	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9
IV 1000	23.9	40.1	40.4	43.8	46.6	46.6	46.6	46.8	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9
IV 900	23.9	40.1	40.4	43.8	46.6	46.6	46.6	46.8	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9
IV 800	23.9	40.1	40.4	43.8	46.6	46.6	46.6	46.8	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9
IV 700	23.9	40.1	40.4	43.8	46.6	46.6	46.6	46.8	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9
IV 600	23.9	40.1	40.4	43.8	46.6	46.6	46.6	46.8	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9
IV 500	23.9	40.1	40.4	43.8	46.6	46.6	46.6	46.8	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9
IV 400	23.9	40.1	40.4	43.8	46.6	46.6	46.6	46.8	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9
IV 300	23.9	40.1	40.4	43.8	46.6	46.6	46.6	46.8	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9
IV 200	23.9	40.1	40.4	43.8	46.6	46.6	46.6	46.8	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9
IV 100	23.9	40.1	40.4	43.8	46.6	46.6	46.6	46.8	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9
IV 0	23.9	40.1	40.4	43.8	46.6	46.6	46.6	46.8	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9

TOTAL NUMBER OF OBSERVATIONS 1937

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44n49,54n63  
YEARS

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (L.S.T.)

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼
NO CEILING	38.9	32.1	34.2	35.8	36.5	36.5	36.7	36.7	36.7	36.7	36.8	36.8	36.9	36.9	36.9
≥ 20000	22.5	40.6	43.3	43.4	46.3	46.3	46.3	46.3	46.3	46.3	46.6	46.6	46.8	46.8	46.8
IV 18000	22.5	40.6	43.3	43.4	46.3	46.3	46.3	46.3	46.3	46.3	46.6	46.6	46.8	46.8	46.8
IV 16000	22.5	40.6	43.3	43.4	46.3	46.3	46.3	46.3	46.3	46.3	46.6	46.6	46.8	46.8	46.8
IV 14000	22.5	40.6	43.3	43.4	46.3	46.3	46.3	46.3	46.3	46.3	46.6	46.6	46.8	46.8	46.8
IV 12000	22.5	40.6	43.3	43.4	46.3	46.3	46.3	46.3	46.3	46.3	46.6	46.6	46.8	46.8	46.8
IV 10000	24.2	44.2	47.3	49.3	50.8	50.8	51.0	51.1	51.1	51.2	51.3	51.3	51.5	51.5	51.5
IV 9000	24.2	44.2	47.3	49.3	50.8	50.8	51.0	51.1	51.1	51.2	51.3	51.3	51.5	51.5	51.5
IV 8000	25.2	46.6	50.1	52.6	54.0	54.0	54.2	54.4	54.4	54.5	54.6	54.6	54.7	54.7	54.7
IV 7000	25.4	47.2	50.7	53.4	54.8	54.8	55.0	55.2	55.2	55.3	55.3	55.3	55.5	55.5	55.5
IV 6000	25.9	48.2	51.7	54.6	56.0	56.0	56.3	56.5	56.5	56.5	56.6	56.6	56.8	56.8	56.8
IV 5000	26.3	49.2	53.0	56.0	57.5	57.5	57.8	58.0	58.0	58.1	58.2	58.2	58.3	58.3	58.3
IV 4500	27.0	50.2	54.0	57.0	58.7	58.7	59.0	59.2	59.2	59.3	59.4	59.4	59.5	59.5	59.5
IV 4000	27.0	51.3	55.0	58.0	60.4	60.4	60.8	61.0	61.0	61.0	61.1	61.1	61.3	61.3	61.3
IV 3500	27.7	52.8	57.0	60.3	62.2	62.2	62.5	62.7	62.7	62.8	63.0	63.0	63.1	63.1	63.1
IV 3000	28.4	54.7	59.2	62.6	64.7	64.7	65.3	65.5	65.5	65.5	65.9	65.9	66.1	66.1	66.1
IV 2500	29.3	58.0	63.1	66.9	69.0	69.0	70.1	70.3	70.3	70.7	70.8	70.8	71.0	71.0	71.0
IV 2000	30.1	60.9	66.6	71.1	73.8	73.8	75.1	75.5	75.5	75.8	75.9	75.9	76.1	76.1	76.1
IV 1800	30.2	61.3	67.4	72.0	74.9	74.9	76.2	76.6	76.6	76.9	77.0	77.0	77.2	77.2	77.2
IV 1500	30.4	62.3	69.1	74.2	77.8	77.8	79.3	80.1	80.1	80.5	80.6	80.6	80.8	80.8	80.8
IV 1200	30.3	63.2	70.3	76.1	80.6	80.6	82.3	83.3	83.3	84.2	84.3	84.3	84.5	84.5	84.5
IV 1000	30.6	63.6	71.0	76.9	82.0	82.0	84.2	85.2	85.2	86.2	86.3	86.3	86.7	86.7	86.7
IV 900	30.6	63.8	71.3	77.3	82.5	82.5	84.6	85.3	85.3	86.3	86.3	86.3	86.7	86.7	86.7
IV 800	30.7	64.0	71.5	77.6	83.0	83.0	85.0	85.1	85.1	86.2	86.2	86.2	86.6	86.6	86.6
IV 700	30.7	64.0	71.7	78.0	83.6	83.6	85.7	85.8	85.8	86.9	86.9	86.9	87.1	87.1	87.1
IV 600	30.7	64.2	72.1	78.3	84.6	84.6	86.7	86.7	86.7	87.9	87.9	87.9	88.1	88.1	88.1
IV 500	30.7	64.3	72.3	79.0	85.1	85.1	87.4	87.4	87.4	88.6	88.6	88.6	88.9	88.9	88.9
IV 400	30.7	64.3	72.3	79.2	85.4	85.4	87.7	87.7	87.7	89.0	89.0	89.0	89.3	89.3	89.3
IV 300	30.7	64.5	72.5	79.3	85.6	85.6	87.9	87.9	87.9	89.3	89.3	89.3	89.6	89.6	89.6
IV 200	30.7	64.5	72.5	79.3	85.8	85.8	88.1	88.1	88.1	89.6	89.6	89.6	89.9	89.9	89.9
IV 100	30.7	64.5	72.5	79.3	85.8	85.8	88.1	88.1	88.1	89.6	89.6	89.6	89.9	89.9	89.9
IV 0	30.7	64.5	72.5	79.3	85.8	85.8	88.1	88.1	88.1	89.6	89.6	89.6	89.9	89.9	89.9

TOTAL NUMBER OF OBSERVATIONS 1930

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB

44-49,54-68  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	14.1	26.1	28.2	29.3	30.3	30.4	30.6	30.7	30.7	30.8	30.9	30.9	30.9	30.9	30.9	30.9
≥ 20000	18.2	34.3	37.2	39.0	40.2	40.3	40.7	40.8	40.8	41.0	41.1	41.1	41.1	41.1	41.2	41.2
IV 18000	18.2	34.3	37.2	39.0	40.2	40.3	40.7	40.9	40.9	41.0	41.1	41.1	41.1	41.2	41.2	41.3
IV 16000	18.2	34.4	37.3	39.2	40.4	40.5	40.9	41.1	41.1	41.2	41.3	41.3	41.3	41.4	41.4	41.5
IV 14000	18.4	34.8	37.8	39.7	40.9	41.1	41.5	41.6	41.7	41.8	41.9	41.9	42.0	42.0	42.0	42.0
IV 12000	19.0	36.3	39.4	41.6	43.0	43.2	43.6	43.9	43.9	44.1	44.2	44.2	44.2	44.3	44.3	44.3
IV 10000	19.8	38.1	41.4	43.9	45.5	45.7	46.2	46.5	46.5	46.7	46.8	46.8	46.9	46.9	46.9	46.9
IV 9000	20.0	38.7	42.0	44.5	46.3	46.5	47.0	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 8000	20.8	40.1	43.7	46.3	48.2	48.5	49.0	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 7000	20.8	41.0	44.7	47.3	49.6	49.8	50.4	50.8	50.8	51.0	51.1	51.1	51.2	51.2	51.2	51.2
IV 6000	21.1	41.8	45.5	48.5	50.7	51.0	51.6	52.0	52.0	52.2	52.3	52.3	52.4	52.4	52.4	52.5
IV 5000	21.6	42.8	46.6	49.6	52.2	52.5	53.2	53.6	53.6	53.8	53.9	53.9	54.0	54.0	54.0	54.1
IV 4500	21.8	43.4	47.4	50.7	53.0	53.4	54.1	54.5	54.5	54.7	54.9	54.9	54.9	54.9	55.0	55.0
IV 4000	22.2	44.3	48.6	51.9	54.5	54.8	55.5	56.0	56.0	56.3	56.4	56.4	56.4	56.5	56.5	56.5
IV 3500	22.5	45.3	49.9	53.3	56.1	56.5	57.2	57.7	57.7	58.0	58.1	58.1	58.2	58.2	58.2	58.2
IV 3000	23.0	47.0	51.6	55.3	58.3	58.7	59.7	60.1	60.2	60.5	60.6	60.6	60.6	60.7	60.7	60.7
IV 2500	23.8	49.5	54.8	59.0	62.2	62.7	63.9	64.5	64.6	64.9	65.0	65.0	65.1	65.1	65.2	65.2
IV 2000	24.9	52.7	58.6	63.4	67.3	67.9	69.3	70.0	70.1	70.4	70.6	70.6	70.7	70.7	70.7	70.8
IV 1800	25.0	53.3	59.4	64.3	68.4	69.0	70.3	71.2	71.3	71.6	71.8	71.8	71.9	71.9	72.0	72.0
IV 1500	25.4	54.6	61.3	66.7	71.4	72.1	73.9	74.7	74.9	75.4	75.7	75.7	75.8	75.8	75.9	75.9
IV 1200	25.6	55.9	63.0	69.0	74.4	75.2	77.4	78.4	78.6	79.4	79.6	79.6	79.8	79.8	79.9	79.9
IV 1000	25.7	56.4	63.9	70.2	76.3	77.6	80.1	81.4	81.5	82.3	82.5	82.5	83.1	83.1	83.2	83.3
IV 900	25.7	56.6	64.2	70.7	77.1	78.4	81.2	82.6	82.8	83.9	84.2	84.3	84.6	84.6	84.7	84.7
IV 800	25.8	56.9	64.6	71.4	78.1	79.5	82.4	84.0	84.2	85.4	86.0	86.0	86.3	86.4	86.5	86.5
IV 700	25.9	57.0	64.9	71.7	78.7	80.3	83.5	85.1	85.3	86.8	87.3	87.4	87.8	87.9	88.0	88.0
IV 600	25.9	57.2	65.2	72.3	79.7	81.4	84.9	86.8	87.0	88.7	89.4	89.4	90.0	90.0	90.1	90.2
IV 500	25.9	57.4	65.3	72.7	80.4	82.3	86.1	88.2	88.4	90.3	91.4	91.4	92.1	92.2	92.3	92.4
IV 400	25.9	57.4	65.6	73.0	80.8	82.8	86.9	89.1	89.4	91.6	92.9	93.0	93.8	93.9	94.1	94.3
IV 300	25.9	57.4	65.7	73.1	81.0	83.1	87.3	89.7	90.0	92.6	94.1	94.2	95.3	95.6	95.8	96.0
IV 200	25.9	57.4	65.7	73.1	81.1	83.2	87.6	90.1	90.5	93.3	94.9	95.1	96.3	97.0	97.4	97.8
IV 100	25.9	57.4	65.7	73.2	81.1	83.2	87.6	90.2	90.6	93.4	95.1	95.3	97.2	97.4	98.0	98.8
IV 0	25.9	57.4	65.7	73.2	81.1	83.2	87.6	90.2	90.6	93.4	95.1	95.3	97.2	97.5	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 14474



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841 WILMINGTON OHIO/CLINTON CU AFB

44-45, 47-49, 54-61, 63-68

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼
NO CEILING	10.7	35.8	38.3	39.7	40.1	40.2	40.7	40.7	40.7	40.7	40.8	40.8	40.9	40.9	41.0
≥ 20000	19.6	41.5	44.7	46.7	47.1	47.2	47.7	47.7	47.7	47.9	48.0	48.0	48.1	48.1	48.3
≥ 18000	19.8	41.5	44.7	46.7	47.1	47.2	47.7	47.7	47.7	47.9	48.0	48.0	48.1	48.1	48.3
≥ 16000	19.8	41.5	44.7	46.7	47.1	47.2	47.7	47.7	47.7	47.9	48.0	48.0	48.1	48.1	48.3
≥ 14000	20.2	42.0	45.3	47.2	47.7	47.9	48.3	48.2	48.3	48.5	48.6	48.6	48.7	48.7	48.9
≥ 12000	20.5	42.4	46.8	49.0	49.4	49.6	50.1	50.1	50.1	50.2	50.3	50.3	50.4	50.4	50.6
≥ 10000	21.0	46.1	49.5	51.8	52.3	52.4	52.9	52.9	52.9	53.0	53.2	53.2	53.2	53.2	53.5
≥ 9000	21.0	46.4	49.8	52.1	52.6	52.7	53.2	53.2	53.2	53.3	53.5	53.5	53.5	53.5	53.7
≥ 8000	21.8	47.6	51.0	53.3	53.8	53.9	54.4	54.4	54.4	54.6	54.7	54.7	54.8	54.8	55.0
≥ 7000	22.3	49.2	52.8	55.3	55.8	55.9	56.4	56.4	56.4	56.6	56.7	56.7	56.8	56.8	57.0
≥ 6000	22.5	49.8	53.0	56.4	56.8	57.0	57.5	57.5	57.5	57.7	57.8	57.8	57.9	57.9	58.1
≥ 5000	23.2	51.7	55.6	58.5	59.2	59.3	59.9	59.9	59.9	60.3	60.3	60.3	60.4	60.4	60.6
≥ 4500	23.4	52.6	56.8	59.9	60.5	60.6	61.3	61.3	61.3	61.5	61.6	61.6	61.7	61.7	61.9
≥ 4000	23.8	53.6	58.2	61.8	61.9	62.1	62.7	62.7	62.7	63.1	63.1	63.1	63.1	63.1	63.3
≥ 3500	24.0	54.7	59.3	62.5	63.3	63.5	64.1	64.1	64.1	64.5	64.5	64.5	64.5	64.5	64.7
≥ 3000	24.2	56.4	61.3	64.7	63.8	66.1	66.9	66.9	66.9	67.1	67.2	67.2	67.3	67.3	67.5
≥ 2500	24.7	58.7	64.2	68.0	69.2	69.5	70.4	70.4	70.4	70.6	70.7	70.7	70.8	70.8	71.0
≥ 2000	25.7	61.9	68.2	72.9	74.1	74.4	75.3	75.3	75.3	75.6	75.7	75.7	75.8	75.8	76.0
≥ 1800	25.8	62.8	69.3	73.8	75.4	75.7	76.7	76.8	76.8	77.0	77.1	77.1	77.2	77.2	77.3
≥ 1500	26.2	64.4	71.4	76.3	78.4	78.7	79.8	80.3	80.3	80.5	80.7	80.7	80.9	80.9	81.1
≥ 1200	26.2	65.0	71.7	79.2	81.7	82.0	83.6	84.0	84.0	84.3	84.7	84.7	84.9	84.9	85.1
≥ 1000	26.2	66.9	74.7	80.5	83.9	84.4	85.9	86.4	86.4	86.7	87.1	87.2	87.5	87.5	87.7
≥ 900	26.2	67.4	75.4	81.9	85.2	85.6	87.2	87.7	87.7	88.0	88.4	88.5	88.8	88.8	89.0
≥ 800	26.2	67.5	75.8	82.2	85.6	86.1	87.8	88.3	88.3	88.7	89.2	89.3	89.8	89.8	90.1
≥ 700	26.2	67.6	75.8	82.6	86.3	86.8	88.8	89.3	89.3	89.8	90.3	90.4	91.0	91.0	91.2
≥ 600	26.2	68.0	76.1	83.1	87.2	87.5	90.1	90.7	90.7	91.4	91.9	92.0	92.7	92.7	93.0
≥ 500	26.2	68.0	76.2	83.6	88.0	88.3	90.9	91.6	91.6	92.3	92.8	93.2	94.1	94.1	94.3
≥ 400	26.2	68.0	76.2	83.6	88.0	88.3	91.2	92.3	92.3	93.3	94.2	94.3	95.4	95.4	95.9
≥ 300	26.2	68.0	76.2	83.6	88.3	88.7	89.0	91.6	92.7	92.8	94.0	94.8	96.1	96.1	96.5
≥ 200	26.2	68.0	76.2	83.6	88.7	89.4	92.4	93.6	93.6	94.9	95.9	96.0	97.4	97.4	98.0
≥ 100	26.2	68.0	76.2	83.6	88.9	89.5	92.5	93.7	93.8	95.1	96.3	96.4	98.0	98.0	99.0
≥ 0	26.2	68.0	76.2	83.6	88.9	89.5	92.5	93.7	93.8	95.1	96.3	96.4	98.0	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1448

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

## CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-45-47-49-54-61-64-66-68  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 1/4	≥ 0
NO CEILING	13,8	33,9	36,4	38,2	38,9	39,0	39,2	39,2	39,2	39,2	39,3	39,3	39,3	39,3	39,3	39,4
≥ 20000	13,8	37,6	40,3	42,3	43,2	43,2	43,7	43,7	43,7	43,9	44,0	44,0	44,0	44,0	44,0	44,2
IV 18000	15,8	37,6	40,3	42,3	43,3	43,4	43,8	43,8	43,8	44,0	44,1	44,2	44,2	44,2	44,2	44,4
IV 16000	15,8	37,6	40,4	42,6	43,5	43,6	44,0	44,0	44,0	44,2	44,3	44,4	44,4	44,4	44,4	44,6
IV 14000	15,8	38,0	40,9	43,1	44,0	44,1	44,5	44,5	44,5	44,8	44,8	44,9	44,9	44,9	44,9	45,1
IV 12000	16,3	39,2	42,3	44,8	45,7	45,8	46,2	46,2	46,2	46,4	46,5	46,6	46,6	46,6	46,6	46,8
IV 10000	16,8	41,8	45,3	47,8	48,8	48,9	49,3	49,3	49,3	49,6	49,7	49,7	49,7	49,7	49,7	49,9
IV 9000	17,1	42,6	46,1	48,6	49,7	49,7	50,2	50,2	50,2	50,4	50,5	50,5	50,5	50,5	50,5	50,8
IV 8000	17,6	44,2	48,2	50,8	51,9	51,9	52,4	52,4	52,4	52,6	52,7	52,7	52,7	52,7	52,7	53,0
IV 7000	17,8	45,7	50,0	52,6	53,6	53,7	54,1	54,1	54,1	54,4	54,4	54,4	54,4	54,4	54,4	54,7
IV 6000	17,9	46,2	50,4	53,1	54,1	54,2	54,7	54,7	54,7	54,9	54,9	54,9	54,9	54,9	54,9	55,2
IV 5000	18,2	47,2	51,9	54,8	55,9	56,0	56,5	56,5	56,5	56,8	56,9	57,0	57,0	57,0	57,0	57,2
IV 4500	18,6	48,1	53,0	56,2	57,4	57,5	58,1	58,2	58,2	58,4	58,5	58,5	58,5	58,5	58,5	58,8
IV 4000	18,9	49,0	54,1	57,3	58,6	58,6	59,4	59,5	59,5	59,7	59,9	59,9	59,9	59,9	59,9	60,1
IV 3500	19,1	50,3	55,8	59,0	60,4	60,6	61,2	61,3	61,3	61,5	61,7	61,8	61,8	61,8	61,8	62,0
IV 3000	19,9	51,3	57,3	61,0	62,5	62,7	63,4	63,6	63,6	63,9	64,0	64,1	64,1	64,1	64,1	64,3
IV 2500	20,3	54,3	60,3	64,3	65,9	66,2	66,9	67,1	67,1	67,5	67,6	67,7	67,7	67,7	67,7	67,9
IV 2000	21,4	57,8	64,6	69,2	71,2	71,4	72,2	72,3	72,3	72,8	73,0	73,0	73,0	73,0	73,0	73,2
IV 1800	21,8	58,3	65,7	70,3	72,7	73,2	74,1	74,3	74,3	74,9	75,2	75,2	75,2	75,2	75,2	75,5
IV 1600	22,3	61,1	68,7	73,8	76,8	77,2	78,2	78,8	78,8	79,2	79,4	79,5	79,5	79,5	79,5	79,7
IV 1400	22,6	62,9	70,8	76,2	79,6	80,0	81,2	81,8	81,8	82,3	82,7	82,8	82,8	82,8	82,8	83,0
IV 1200	22,7	64,0	72,3	78,2	82,2	82,6	84,0	84,5	84,5	85,3	85,6	85,7	85,7	85,7	85,7	85,9
IV 1000	22,7	64,3	72,9	78,9	83,4	83,8	85,1	85,7	85,7	86,3	86,9	87,0	87,0	87,0	87,0	87,2
IV 900	22,8	65,1	73,7	79,9	84,3	84,9	86,6	87,3	87,3	88,6	89,0	89,1	89,1	89,1	89,1	89,3
IV 800	22,8	65,3	74,3	80,7	85,7	86,2	87,8	88,7	88,7	89,9	90,4	90,8	90,8	90,8	90,8	91,1
IV 700	22,8	65,4	74,4	81,0	86,3	86,8	88,3	89,5	89,5	91,2	91,6	91,7	91,7	91,7	91,7	92,7
IV 600	22,8	65,5	74,5	81,3	87,0	87,5	89,2	90,4	90,8	92,7	93,4	93,5	93,5	93,5	93,5	94,9
IV 500	22,8	65,6	74,7	81,9	87,1	87,6	89,4	90,7	90,8	93,2	94,0	94,1	94,1	94,1	94,1	95,9
IV 400	22,8	65,6	74,7	81,9	87,1	87,6	89,4	90,7	90,8	93,2	94,0	94,1	94,1	94,1	94,1	95,9
IV 300	22,8	65,6	74,7	81,9	87,1	87,6	89,4	90,7	90,8	93,2	94,0	94,1	94,1	94,1	94,1	95,9
IV 200	22,8	65,6	74,7	81,9	87,1	87,6	89,4	90,7	90,8	93,2	94,0	94,1	94,1	94,1	94,1	95,9
IV 100	22,8	65,6	74,7	81,9	87,1	87,6	89,4	90,7	90,8	93,2	94,0	94,1	94,1	94,1	94,1	95,9
IV 0	22,8	65,6	74,7	81,9	87,1	87,6	89,4	90,7	90,8	93,2	94,0	94,1	94,1	94,1	94,1	95,9

TOTAL NUMBER OF OBSERVATIONS 1365

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

## CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CU AFB  
STATION NAME

44-45, 47-49, 54-61, 63-68  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼
NO CEILING	10.8	25.1	28.1	29.9	30.9	31.2	32.0	32.3	32.3	32.7	33.1	33.1	33.2	33.2	33.2
IV 20000	12.7	30.2	34.3	36.7	37.8	38.5	39.4	39.6	39.8	40.1	40.5	40.7	40.7	40.7	40.9
IV 18000	12.7	30.2	34.3	36.7	38.0	38.6	39.3	39.8	39.8	40.2	40.6	40.6	40.9	40.9	41.0
IV 16000	12.7	30.2	34.3	36.7	38.1	38.7	39.6	39.9	39.9	40.3	40.7	40.7	41.0	41.0	41.2
IV 14000	12.7	30.2	34.3	36.7	38.7	39.4	40.3	40.5	40.5	41.0	41.4	41.4	41.6	41.6	41.8
IV 12000	12.7	30.2	34.3	36.7	40.3	40.9	41.9	42.1	42.1	42.3	43.0	43.0	43.2	43.2	43.4
IV 10000	14.4	34.0	38.9	41.4	43.0	43.7	44.9	45.2	45.2	45.6	46.1	46.1	46.4	46.4	46.5
IV 9000	16.0	36.7	42.2	43.8	43.8	44.3	45.5	45.9	45.9	46.4	46.9	46.9	47.2	47.2	47.3
IV 8000	14.8	35.7	41.1	43.6	45.5	46.3	47.4	47.7	47.8	48.2	48.8	48.8	49.0	49.0	49.2
IV 7000	15.2	36.9	42.3	43.8	47.4	48.1	49.3	49.6	49.7	50.1	50.6	50.6	50.9	50.9	51.0
IV 6000	15.3	37.3	43.0	46.1	48.1	48.8	50.0	50.3	50.4	51.0	51.5	51.5	51.7	51.7	51.9
IV 5000	15.6	38.6	44.4	47.6	49.4	50.2	51.5	51.8	51.9	52.6	53.0	53.0	53.3	53.3	53.5
IV 4500	15.7	39.4	45.3	48.7	50.8	51.6	52.8	53.2	53.4	54.0	54.5	54.5	54.8	54.8	54.9
IV 4000	15.6	40.1	46.3	49.7	52.0	52.8	54.3	54.6	54.7	55.3	55.9	55.9	56.1	56.1	56.3
IV 3500	16.1	41.0	47.2	50.7	53.4	54.2	55.7	56.0	56.1	56.8	57.3	57.3	57.6	57.6	57.7
IV 3000	16.3	42.3	48.8	52.5	55.3	56.4	57.9	58.2	58.4	59.0	59.5	59.5	59.8	59.8	59.9
IV 2500	17.0	44.8	51.7	55.9	59.0	60.2	61.7	62.2	62.4	63.1	63.6	63.6	64.0	64.0	64.1
IV 2000	18.0	47.6	53.4	60.3	63.8	64.9	66.6	67.3	67.5	68.2	68.9	68.9	69.2	69.2	69.3
IV 1800	18.0	48.1	56.1	61.1	65.1	66.2	68.0	68.8	69.0	69.7	70.4	70.4	70.7	70.7	70.9
IV 1500	18.2	50.1	58.6	63.9	68.7	70.0	72.0	72.9	73.2	73.9	74.7	74.7	75.0	75.0	75.1
IV 1200	18.3	52.1	61.2	66.9	72.4	73.8	75.9	77.1	77.5	78.4	79.1	79.1	79.6	79.6	79.7
IV 1000	18.4	53.1	62.7	68.6	74.6	76.0	78.7	79.8	80.3	81.8	82.7	82.7	83.1	83.2	83.4
IV 900	18.6	53.8	63.6	69.6	75.8	77.4	80.2	81.3	82.0	82.4	84.4	84.4	84.8	84.9	85.0
IV 800	18.6	54.1	64.2	70.4	77.2	79.1	82.3	83.6	84.1	83.6	86.6	86.6	87.3	87.6	87.7
IV 700	18.7	54.3	64.8	71.3	78.2	80.1	83.3	84.7	85.4	87.2	88.3	88.3	89.0	89.2	89.4
IV 600	18.7	54.4	65.1	71.8	78.7	80.9	84.5	86.3	86.9	88.8	90.3	90.3	91.2	91.3	91.6
IV 500	18.7	54.6	65.3	72.2	79.8	81.8	85.6	87.8	88.3	90.3	92.4	92.4	93.5	93.9	94.0
IV 400	18.7	54.7	65.4	72.4	80.0	82.2	86.1	88.6	89.3	91.6	93.2	93.2	94.6	94.9	95.2
IV 300	18.7	54.7	65.4	72.4	80.0	82.2	86.1	88.6	89.3	91.6	93.2	93.2	94.6	94.9	95.2
IV 200	18.7	54.7	65.4	72.4	80.0	82.2	86.1	88.6	89.3	91.6	93.2	93.2	94.6	94.9	95.2
IV 100	18.7	54.7	65.4	72.4	80.0	82.2	86.1	88.6	89.3	91.6	93.2	93.2	94.6	94.9	95.2
IV 0	18.7	54.7	65.4	72.4	80.0	82.2	86.1	88.6	89.3	91.6	93.2	93.2	94.6	94.9	95.2

TOTAL NUMBER OF OBSERVATIONS 1448

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CU AFB

44-45, 47-49, 54-68  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0700-1100  
HOURS - S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	13.0	23.7	25.8	26.9	27.5	28.0	28.4	28.7	28.7	28.8	28.9	28.9	28.9	28.9	28.9	28.9
≥ 20000	16.3	30.6	33.6	35.5	36.9	37.6	38.1	38.5	38.5	38.6	38.7	38.7	38.7	38.7	38.7	38.7
IV 18000	16.4	30.7	33.7	35.6	37.0	37.7	38.2	38.6	38.6	38.7	38.8	38.8	38.8	38.8	38.8	38.8
IV 16000	16.4	30.7	33.7	35.6	37.0	37.7	38.2	38.6	38.6	38.7	38.8	38.8	38.8	38.8	38.8	38.8
IV 14000	16.8	31.0	34.0	35.8	37.2	38.0	38.5	38.8	38.8	39.0	39.0	39.0	39.0	39.0	39.0	39.0
IV 12000	16.9	32.0	35.0	37.1	38.8	39.6	40.1	40.5	40.5	40.6	40.7	40.7	40.7	40.7	40.7	40.7
IV 10000	17.5	34.7	38.2	40.3	42.1	43.1	43.9	44.2	44.2	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 9000	17.9	35.5	39.4	41.8	43.3	44.5	45.0	45.4	45.4	45.5	45.6	45.6	45.6	45.6	45.6	45.6
IV 8000	18.3	36.9	41.1	43.3	45.2	46.3	47.2	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 7000	18.3	38.2	42.8	45.4	47.4	48.5	49.4	49.8	49.8	49.9	50.0	50.0	50.0	50.0	50.0	50.0
IV 6000	18.8	38.5	43.1	46.0	48.0	49.1	50.1	50.5	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 5000	19.0	39.1	43.8	46.9	49.1	50.2	51.3	51.7	51.8	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 4500	19.0	40.1	45.0	48.2	50.4	51.5	52.6	53.1	53.1	53.3	53.4	53.4	53.4	53.4	53.4	53.4
IV 4000	19.1	41.0	46.3	49.9	52.1	53.3	54.7	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IV 3500	19.4	41.3	46.7	50.4	52.8	54.0	55.4	56.0	56.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 3000	20.0	42.6	48.3	52.1	54.7	56.0	57.4	58.1	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4
IV 2500	21.0	43.2	51.4	55.6	58.7	60.2	61.8	62.6	62.7	63.0	63.3	63.3	63.3	63.3	63.3	63.3
IV 2000	21.8	44.0	54.6	59.2	62.7	64.3	66.0	66.9	67.1	67.3	67.7	67.7	67.7	67.7	67.7	67.7
IV 1800	22.6	45.5	55.2	59.9	63.3	65.2	66.9	67.9	68.0	68.4	68.7	68.7	68.7	68.7	68.7	68.7
IV 1500	22.8	51.2	58.5	63.4	67.9	69.8	72.0	73.3	73.6	74.2	74.5	74.5	74.5	74.5	74.5	74.5
IV 1200	22.9	52.8	60.3	65.7	70.7	72.7	73.6	77.2	77.4	78.5	78.7	78.7	78.7	78.7	78.7	78.7
IV 1000	22.9	53.2	61.2	66.6	71.9	74.1	77.3	79.3	79.5	80.6	81.2	81.2	81.2	81.2	81.2	81.2
IV 500	23.0	53.7	61.9	67.6	73.3	75.9	77.8	81.7	82.1	83.9	84.2	84.2	84.2	84.2	84.2	84.2
IV 800	23.1	54.0	62.2	68.3	74.6	77.1	81.2	83.4	83.8	85.2	86.0	86.0	86.0	86.0	86.0	86.0
IV 700	23.1	54.1	62.3	68.7	75.3	77.9	82.0	84.7	85.2	86.6	87.9	87.9	87.9	87.9	87.9	87.9
IV 600	23.2	54.3	62.8	69.1	76.1	78.8	83.4	86.5	87.0	88.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 500	23.2	54.3	62.9	69.6	76.8	79.5	84.4	87.9	88.1	90.5	91.8	91.8	91.8	91.8	91.8	91.8
IV 400	23.3	54.4	63.0	69.6	76.9	79.6	84.7	88.2	88.9	91.5	93.4	93.4	93.4	93.4	93.4	93.4
IV 300	23.3	54.4	63.1	69.7	77.1	79.9	85.3	89.0	89.6	92.4	94.7	94.7	94.7	94.7	94.7	94.7
IV 200	23.3	54.4	63.1	69.7	77.1	79.9	85.3	89.2	89.8	92.8	95.4	95.4	95.4	95.4	95.4	95.4
IV 100	23.3	54.4	63.1	69.7	77.1	79.9	85.3	89.3	89.8	92.9	95.6	95.6	95.6	95.6	95.6	95.6
IV 0	23.3	54.4	63.1	69.7	77.1	79.9	85.3	89.3	89.8	92.9	95.6	95.6	95.6	95.6	95.6	95.6

TOTAL NUMBER OF OBSERVATIONS 1630

DATA PROCESSING DIVISION  
ETAC, USAF  
ASREVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-45, 47-49, 54-68  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	16.7	24.5	25.5	26.7	27.2	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4
≥ 20000	22.1	34.7	37.0	38.8	39.3	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
IV 18000	22.2	34.6	37.1	38.6	39.4	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
IV 16000	22.3	34.9	37.2	38.7	39.5	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
IV 14000	22.5	35.1	37.4	38.9	39.7	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
IV 12000	22.4	36.5	39.1	41.1	41.9	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 10000	24.5	38.8	41.9	44.0	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
IV 9000	24.9	39.0	42.7	44.7	45.8	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
IV 8000	25.3	40.4	43.8	46.0	47.2	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 7000	26.0	42.1	45.7	47.9	49.2	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
IV 6000	26.0	42.2	45.9	48.4	49.6	50.1	50.3	50.3	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.4
IV 5000	26.3	43.2	45.9	48.5	50.9	51.2	51.5	51.5	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6
IV 4500	26.4	43.7	47.0	50.1	51.5	51.8	52.1	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2
IV 4000	26.7	44.7	48.7	51.3	52.9	53.2	53.5	53.5	53.5	53.5	53.6	53.6	53.6	53.6	53.6	53.6
IV 3500	27.2	46.0	50.4	53.2	54.7	55.1	55.4	55.5	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.6
IV 3000	28.1	47.7	52.3	55.2	57.1	57.5	57.9	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 2500	30.3	51.5	56.4	59.7	61.7	62.1	62.8	62.8	62.8	63.0	63.1	63.1	63.1	63.1	63.1	63.1
IV 2000	31.6	55.7	61.5	65.4	67.8	68.3	69.0	69.5	69.5	69.9	70.1	70.1	70.1	70.2	70.2	70.2
IV 1800	31.8	56.2	62.2	66.4	68.9	69.5	70.3	70.8	70.8	71.2	71.4	71.4	71.4	71.5	71.5	71.5
IV 1500	32.3	58.9	65.3	70.6	73.7	74.4	75.6	76.6	76.6	77.2	77.3	77.3	77.3	77.6	77.6	77.6
IV 1200	32.4	59.3	66.2	72.0	75.9	76.9	78.6	79.7	79.7	80.8	80.9	80.9	80.9	81.0	81.0	81.0
IV 1000	32.8	59.8	67.0	73.3	77.5	78.6	80.6	82.1	82.1	83.1	83.8	83.8	83.8	84.0	84.0	84.0
IV 900	32.5	60.1	67.5	73.9	78.3	79.7	81.9	83.5	83.5	84.7	85.3	85.3	85.3	85.8	85.8	85.8
IV 800	32.5	60.4	68.2	74.8	79.7	81.3	83.9	85.8	85.8	87.3	88.2	88.2	88.2	88.8	88.8	88.8
IV 700	32.5	60.4	68.4	75.2	80.4	82.1	84.9	86.8	86.8	88.9	89.6	89.6	89.6	90.1	90.1	90.2
IV 600	32.5	60.5	68.6	75.5	80.8	82.7	85.8	87.7	87.7	89.8	90.0	90.0	90.0	91.0	91.0	91.6
IV 500	32.5	60.9	68.6	76.2	81.7	83.8	87.0	89.4	89.4	91.6	92.9	92.9	92.9	93.8	93.8	94.0
IV 400	32.5	60.5	68.6	76.3	81.8	84.0	87.5	90.2	90.4	92.6	94.2	94.2	94.2	95.1	95.2	95.3
IV 300	32.5	60.5	68.6	76.3	81.9	84.4	88.1	91.0	91.2	94.0	95.9	95.9	95.9	96.9	97.1	97.2
IV 200	32.5	60.5	68.6	76.3	82.0	84.5	88.3	91.2	91.6	94.7	96.8	96.8	96.8	98.4	98.7	98.8
IV 100	32.5	60.5	68.6	76.3	82.0	84.5	88.3	91.2	91.6	94.7	96.8	96.8	96.8	98.4	98.7	98.8
IV 0	32.5	60.5	68.6	76.3	82.0	84.5	88.3	91.2	91.6	94.7	96.8	96.8	96.8	98.4	98.7	98.8

TOTAL NUMBER OF OBSERVATIONS 1638

DATA PROCESSING DIVISION  
ETAC, USAF  
ASBREVILLE, N. C. 28401

# CEILING VERSUS VISIBILITY

12841  
STATION

WILMINGTON OHIO/CLINTON CO AFB

44-45, 47, 49, 54-68  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	18.9	25.8	26.8	27.7	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1
≥ 20000	24.8	37.4	39.3	40.2	41.1	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
IV 18000	24.9	37.5	39.4	40.3	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
IV 16000	24.9	37.5	39.4	40.3	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
IV 14000	25.2	37.9	39.5	40.3	41.6	41.6	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 12000	25.7	38.7	40.7	41.8	42.6	42.6	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 10000	27.0	41.6	43.8	45.1	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 9000	27.3	42.1	44.4	45.7	46.6	46.6	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 8000	28.0	43.0	46.0	47.6	48.6	48.6	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
IV 7000	28.7	43.1	47.6	49.3	50.5	50.5	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
IV 6000	28.9	43.7	48.2	50.0	51.2	51.2	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
IV 5000	29.4	46.4	49.1	51.0	52.4	52.4	52.7	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
IV 4500	29.8	47.1	50.0	51.9	53.3	53.3	53.6	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
IV 4000	30.2	48.9	52.0	54.0	55.5	55.5	55.7	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 3500	31.2	50.8	54.2	56.2	57.8	57.8	58.0	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 3000	32.4	52.9	56.8	59.0	60.6	60.6	61.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 2500	33.0	56.4	60.5	63.3	65.3	65.3	65.9	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
IV 2000	34.5	60.2	65.1	68.3	70.6	70.6	71.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 1800	34.8	60.9	66.2	69.7	71.9	71.9	72.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 1500	34.7	61.6	67.9	72.0	74.8	74.8	75.6	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 1200	34.9	62.8	69.6	74.0	77.1	77.1	78.3	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 1000	34.9	63.2	70.4	74.9	78.3	78.3	79.8	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 900	34.9	63.3	70.5	75.1	78.7	78.7	80.3	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 800	34.9	63.4	70.6	75.3	79.0	79.0	80.8	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 700	34.9	63.5	70.8	76.0	79.8	79.8	81.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 600	34.9	63.7	71.0	76.2	80.2	80.2	82.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 500	35.0	65.7	71.1	76.4	80.4	80.4	82.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 400	35.0	65.7	71.1	76.4	80.5	80.5	82.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 300	35.0	65.7	71.1	76.6	80.7	80.7	83.1	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 200	35.0	65.7	71.1	76.6	80.8	80.8	83.2	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 100	35.0	65.7	71.1	76.6	80.8	80.8	83.2	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 0	35.0	65.7	71.1	76.6	80.8	80.8	83.2	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8

TOTAL NUMBER OF OBSERVATIONS 1684

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44m49, 47m49, 54m68  
YEARS

FEB  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼
NO CEILING	18.8	22.2	34.1	34.9	35.6	35.7	36.0	36.0	36.0	36.1	36.1	36.1	36.1	36.1	36.1
IV 20000	23.8	41.3	44.2	45.6	46.3	46.6	46.9	46.9	46.9	47.1	47.1	47.1	47.1	47.1	47.1
IV 18000	23.8	41.3	44.3	45.6	46.6	46.6	47.0	47.0	47.0	47.2	47.2	47.2	47.2	47.2	47.2
IV 16000	23.8	41.3	44.3	45.6	46.6	46.6	47.0	47.0	47.0	47.2	47.2	47.2	47.2	47.2	47.2
IV 14000	24.0	41.3	44.7	46.0	46.9	47.0	47.3	47.3	47.3	47.5	47.5	47.5	47.5	47.5	47.5
IV 12000	24.7	42.1	46.3	47.7	48.8	48.9	49.3	49.3	49.3	49.5	49.5	49.5	49.5	49.5	49.5
IV 10000	25.6	43.6	48.9	50.4	51.6	51.7	52.1	52.1	52.1	52.3	52.3	52.3	52.3	52.3	52.3
IV 9000	25.6	43.6	48.9	50.4	51.6	51.7	52.1	52.1	52.1	52.3	52.3	52.3	52.3	52.3	52.3
IV 8000	26.4	47.7	51.5	53.2	54.4	54.6	55.0	55.0	55.0	55.2	55.2	55.2	55.2	55.2	55.2
IV 7000	27.3	49.2	53.0	55.1	56.5	56.7	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2
IV 6000	27.4	49.3	53.4	55.6	57.2	57.3	57.6	57.6	57.6	58.0	58.0	58.0	58.0	58.0	58.0
IV 5000	28.2	50.8	54.7	57.2	58.7	59.0	59.5	59.5	59.5	59.7	59.7	59.7	59.7	59.7	59.7
IV 4500	28.5	51.8	55.7	58.2	59.7	60.0	60.5	60.5	60.5	60.7	60.7	60.7	60.7	60.7	60.7
IV 4000	28.9	53.1	57.1	59.7	61.3	61.6	62.2	62.2	62.2	62.4	62.4	62.4	62.4	62.4	62.4
IV 3500	29.5	54.6	58.7	61.6	63.3	63.7	64.2	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5
IV 3000	29.8	55.0	60.1	63.3	65.2	65.7	66.3	66.3	66.3	66.5	66.5	66.5	66.5	66.5	66.5
IV 2500	30.4	56.1	63.9	67.0	69.6	70.0	70.8	70.8	70.8	71.2	71.2	71.2	71.2	71.2	71.2
IV 2000	30.9	60.8	66.9	71.7	74.9	75.4	76.3	76.3	76.3	77.0	77.0	77.1	77.1	77.1	77.1
IV 1800	30.9	61.2	67.3	72.3	75.7	76.3	77.3	77.3	77.3	78.0	78.0	78.1	78.1	78.1	78.1
IV 1500	31.1	62.0	69.0	74.4	78.1	78.9	80.3	80.3	80.3	81.2	81.2	81.4	81.4	81.4	81.4
IV 1200	31.1	62.8	70.3	76.2	80.4	81.2	83.0	83.0	83.0	84.4	84.4	84.9	84.9	84.9	84.9
IV 1000	31.1	63.2	70.9	77.2	81.9	82.8	85.0	85.0	85.0	86.9	86.9	87.5	87.5	87.5	87.5
IV 900	31.1	63.3	71.3	77.7	82.8	83.7	86.0	86.0	86.0	88.1	88.1	88.8	88.8	88.8	88.8
IV 800	31.1	63.3	71.3	78.3	83.4	84.3	86.8	86.8	86.8	89.3	89.3	90.0	90.0	90.0	90.0
IV 700	31.1	63.6	71.7	78.6	83.8	84.8	87.3	87.3	87.3	90.1	90.1	90.7	90.7	90.7	90.7
IV 600	31.1	63.6	71.7	78.6	84.2	85.3	88.3	88.3	88.3	90.2	90.2	92.1	92.1	92.1	92.1
IV 500	31.1	63.6	71.7	78.6	84.2	85.3	88.3	88.3	88.3	90.2	90.2	92.1	92.1	92.1	92.1
IV 400	31.1	63.7	71.8	78.7	84.6	85.7	89.3	89.3	89.3	91.9	91.9	93.3	93.3	93.3	93.3
IV 300	31.1	63.7	71.8	78.7	84.6	85.7	89.3	89.3	89.3	91.9	91.9	93.3	93.3	93.3	93.3
IV 200	31.1	63.7	71.8	78.7	84.6	85.7	89.3	89.3	89.3	91.9	91.9	93.3	93.3	93.3	93.3
IV 100	31.1	63.7	71.8	78.7	84.6	85.7	89.3	89.3	89.3	91.9	91.9	93.3	93.3	93.3	93.3
IV 0	31.1	63.7	71.8	78.7	84.6	85.7	89.3	89.3	89.3	91.9	91.9	93.3	93.3	93.3	93.3

TOTAL NUMBER OF OBSERVATIONS 1685

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

12841

WILMINGTON OHIO/C. INTON CO AFB

44-45, 47-49, 54-68

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ⅓	≥ ⅓	≥ ⅓	≥ ⅓	≥ 0
NO CEILING	20.1	36.7	38.4	39.6	40.4	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 20000	23.8	40.4	46.1	47.7	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 18000	23.8	43.4	46.1	47.7	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 16000	23.8	43.4	46.1	47.7	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 14000	23.8	43.4	46.1	47.7	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 12000	23.8	43.4	46.1	47.7	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 10000	23.8	43.4	46.1	47.7	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 8000	23.8	43.4	46.1	47.7	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 7000	23.8	43.4	46.1	47.7	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 6000	23.8	43.4	46.1	47.7	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 5000	23.8	43.4	46.1	47.7	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 4500	23.8	43.4	46.1	47.7	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 4000	23.8	43.4	46.1	47.7	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 3500	23.8	43.4	46.1	47.7	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 3000	23.8	43.4	46.1	47.7	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 2500	23.8	43.4	46.1	47.7	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 2000	23.8	43.4	46.1	47.7	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 1800	23.8	43.4	46.1	47.7	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 1500	23.8	43.4	46.1	47.7	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 1200	23.8	43.4	46.1	47.7	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 1000	23.8	43.4	46.1	47.7	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 900	23.8	43.4	46.1	47.7	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 800	23.8	43.4	46.1	47.7	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 700	23.8	43.4	46.1	47.7	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 600	23.8	43.4	46.1	47.7	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 500	23.8	43.4	46.1	47.7	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 400	23.8	43.4	46.1	47.7	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 300	23.8	43.4	46.1	47.7	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 200	23.8	43.4	46.1	47.7	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 100	23.8	43.4	46.1	47.7	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 0	23.8	43.4	46.1	47.7	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8

TOTAL NUMBER OF OBSERVATIONS

1678



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841 WILMINGTON OHIO/CLINTON CO AFB

44-45, 47-49, 54-68

FEB

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (24)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 5/8	≥ 1/2	≥ 5/16	≥ 1/4
NO CEILING	10.2	29.9	21.5	32.8	23.4	33.0	33.9	34.0	34.0	34.0	34.1	34.1	34.1	34.1	34.2
≥ 20000	20.1	37.2	40.0	41.7	52.6	48.8	53.2	43.2	43.2	43.4	43.5	43.5	43.5	43.5	43.6
IV 18000	20.2	37.2	40.0	41.7	52.7	42.9	43.2	43.3	43.3	43.4	43.5	43.5	43.6	43.6	43.7
IV 16000	20.2	37.2	40.1	41.8	52.7	43.0	43.3	43.4	43.4	43.5	43.6	43.6	43.7	43.7	43.7
IV 14000	20.4	37.6	40.3	42.2	43.1	43.4	43.7	43.8	43.8	43.9	44.0	44.0	44.1	44.1	44.1
IV 12000	20.9	38.7	41.8	43.7	44.7	45.0	45.4	45.5	45.5	45.6	45.7	45.7	45.7	45.7	45.8
IV 10000	21.8	41.3	44.7	46.7	47.8	48.1	48.3	48.6	48.6	48.7	48.8	48.8	48.9	48.9	48.9
IV 9000	22.0	41.9	45.4	47.3	48.3	48.8	49.2	49.3	49.3	49.4	49.5	49.5	49.6	49.6	49.6
IV 8000	22.5	42.3	47.0	49.1	50.4	50.7	51.2	51.2	51.2	51.4	51.5	51.5	51.5	51.5	51.6
IV 7000	23.1	44.7	48.7	51.0	52.3	52.7	53.2	53.2	53.2	53.4	53.5	53.5	53.5	53.5	53.6
IV 6000	23.2	45.2	49.2	51.8	53.1	53.5	54.0	54.1	54.1	54.2	54.4	54.4	54.4	54.4	54.5
IV 5000	23.7	46.3	50.5	53.2	54.6	55.0	55.6	55.7	55.7	55.9	56.0	56.0	56.1	56.1	56.1
IV 41"	23.1	47.2	51.0	54.7	55.7	56.1	56.8	56.9	56.9	57.1	57.2	57.2	57.2	57.2	57.3
IV 41'	24.2	48.3	52.9	55.7	57.3	57.7	58.4	58.5	58.5	58.7	58.8	58.9	58.9	58.9	59.0
IV 3500	24.8	49.3	54.2	57.3	58.9	59.4	60.1	60.3	60.3	60.5	60.6	60.6	60.7	60.7	60.7
IV 3000	25.2	51.0	56.1	59.3	61.2	61.7	62.9	62.7	62.7	62.9	63.0	63.0	63.1	63.1	63.2
IV 2500	25.2	52.8	58.3	63.0	65.1	65.8	66.7	67.0	67.0	67.2	67.4	67.4	67.5	67.5	67.6
IV 2000	27.1	57.0	63.3	67.7	70.3	71.0	72.1	72.5	72.5	72.8	73.1	73.1	73.2	73.2	73.3
IV 1800	27.2	57.7	64.2	68.6	71.4	72.2	73.4	73.8	73.8	74.0	74.2	74.2	74.3	74.3	74.4
IV 1500	27.6	59.4	66.3	71.4	74.8	75.7	77.2	77.9	77.9	78.4	78.7	78.7	78.8	78.8	78.9
IV 1200	27.7	60.9	68.3	73.6	77.3	78.3	80.4	81.3	81.4	82.0	82.4	82.4	82.6	82.6	82.6
IV 1000	27.7	61.2	69.2	75.9	79.2	80.4	82.6	83.6	83.7	84.6	85.1	85.2	85.4	85.4	85.5
IV 900	27.8	61.5	69.7	76.8	80.3	81.5	83.9	85.0	85.2	86.0	86.4	86.4	86.7	86.7	86.8
IV 800	27.8	61.9	70.1	78.2	81.1	82.3	84.5	85.5	85.6	86.5	87.0	87.0	87.3	87.3	87.4
IV 700	27.8	62.0	70.4	78.8	81.9	83.3	86.1	87.6	87.8	89.1	89.6	89.6	90.3	90.3	90.4
IV 600	27.8	62.1	70.5	79.1	82.5	84.1	87.2	88.8	89.1	90.7	91.3	91.3	92.1	92.1	92.2
IV 500	27.8	62.1	70.6	79.4	83.0	84.7	88.0	89.9	90.2	92.2	93.2	93.2	94.0	94.0	94.1
IV 400	27.8	62.2	70.7	79.7	83.2	85.0	88.5	90.7	90.9	93.2	94.3	94.3	95.4	95.4	95.7
IV 300	27.8	62.2	70.7	79.7	83.2	85.0	88.5	90.7	90.9	93.2	94.3	94.3	95.4	95.4	95.7
IV 200	27.8	62.2	70.7	79.7	83.2	85.0	88.5	90.7	90.9	93.2	94.3	94.3	95.4	95.4	95.7
IV 100	27.8	62.2	70.7	79.7	83.2	85.0	88.5	90.7	90.9	93.2	94.3	94.3	95.4	95.4	95.7
IV 0	27.8	62.2	70.7	79.7	83.2	85.0	88.5	90.7	90.9	93.2	94.3	94.3	95.4	95.4	95.7

TOTAL NUMBER OF OBSERVATIONS 12377

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841 WILMINGTON OHIO/CLINTON CO AFB

44-49,53-61,63-68

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	21.2	39.9	41.6	42.0	42.2	42.2	42.2	42.4	42.4	42.5	42.6	42.6	42.6	42.6	42.6	42.9
≥ 20000	25.0	43.6	47.9	48.5	48.8	48.8	48.9	49.0	49.0	49.1	49.2	49.2	49.2	49.2	49.3	49.6
IV 18000	25.0	43.6	47.9	48.5	48.8	48.8	48.9	49.0	49.0	49.1	49.2	49.2	49.2	49.2	49.3	49.6
IV 16000	25.0	43.6	47.9	48.5	48.8	48.8	48.9	49.0	49.0	49.1	49.2	49.2	49.2	49.2	49.3	49.6
IV 14000	25.3	46.4	48.9	49.4	49.7	49.7	49.8	49.9	50.0	50.0	50.1	50.1	50.1	50.1	50.3	50.6
IV 12000	25.8	48.1	50.7	51.2	51.6	51.6	51.7	51.8	51.8	51.9	52.0	52.0	52.0	52.0	52.1	52.4
IV 10000	26.3	49.7	52.5	53.2	53.5	53.5	53.6	53.7	53.8	53.8	53.9	53.9	53.9	53.9	54.0	54.3
IV 9000	26.7	50.0	53.9	54.6	54.9	54.9	55.0	55.1	55.1	55.2	55.3	55.3	55.3	55.3	55.4	55.7
IV 8000	27.1	52.9	56.1	56.8	57.2	57.2	57.3	57.4	57.5	57.5	57.6	57.6	57.6	57.6	57.8	58.1
IV 7000	27.2	53.3	57.7	58.5	58.9	58.9	59.0	59.1	59.2	59.3	59.3	59.3	59.3	59.3	59.4	59.7
IV 6000	27.3	53.3	58.5	59.3	59.7	59.7	59.8	59.9	60.0	60.0	60.2	60.2	60.2	60.2	60.3	60.6
IV 5000	27.9	57.6	60.9	61.8	62.3	62.3	62.4	62.5	62.5	62.6	62.7	62.7	62.7	62.7	62.8	63.1
IV 4000	28.0	58.3	62.4	63.4	63.9	63.9	64.0	64.1	64.2	64.2	64.3	64.3	64.3	64.3	64.5	64.7
IV 3500	28.9	60.8	65.1	66.2	66.8	66.8	67.1	67.2	67.3	67.4	67.5	67.5	67.5	67.5	67.6	67.9
IV 3000	29.1	62.2	67.1	68.3	68.8	68.8	69.1	69.2	69.3	69.4	69.5	69.5	69.5	69.5	69.6	69.9
IV 2500	30.8	67.5	73.6	75.5	76.8	76.8	77.4	77.6	77.7	77.8	77.9	77.9	77.9	77.9	78.0	78.3
IV 2000	31.2	69.5	76.3	79.1	80.7	80.8	81.4	81.6	81.7	81.8	82.0	82.0	82.0	82.0	82.1	82.4
IV 1800	31.2	70.0	76.9	79.8	81.4	81.6	82.1	82.4	82.4	82.4	82.7	82.7	82.7	82.7	82.8	83.1
IV 1500	31.3	71.1	78.5	81.3	83.4	83.5	84.2	84.4	84.5	84.6	84.8	84.8	84.8	84.8	84.9	85.2
IV 1200	31.6	72.0	79.6	83.2	85.4	85.7	86.4	86.7	86.7	87.1	87.2	87.2	87.2	87.2	87.3	87.6
IV 1000	31.6	72.8	80.3	84.4	87.0	87.3	88.1	88.3	88.7	89.1	89.2	89.2	89.2	89.2	89.4	89.6
IV 900	31.9	73.0	80.9	85.0	87.8	88.2	89.4	89.9	90.0	90.5	90.6	90.6	90.6	90.6	90.7	91.0
IV 800	31.9	73.3	81.3	85.4	88.3	88.7	90.2	90.8	90.9	91.4	91.6	91.6	91.6	91.6	91.8	92.1
IV 700	31.9	73.4	81.6	85.7	88.7	89.2	90.7	91.4	91.5	92.0	92.3	92.3	92.3	92.3	92.4	92.7
IV 600	31.9	73.6	81.8	86.0	89.3	89.8	90.0	91.6	92.3	92.6	93.3	93.8	93.8	93.8	94.0	94.4
IV 500	31.9	73.7	81.9	86.2	90.1	90.7	92.7	93.6	93.7	94.3	95.2	95.2	95.2	95.2	95.3	95.8
IV 400	31.9	73.7	81.9	86.2	90.2	91.0	93.0	93.9	94.0	95.2	95.7	95.7	95.7	95.7	96.0	96.3
IV 300	31.9	73.7	81.9	86.2	90.7	91.4	93.7	94.6	94.8	96.5	97.4	97.4	97.4	97.4	98.4	98.7
IV 200	31.9	73.7	81.9	86.2	90.7	91.4	93.7	94.6	94.8	96.5	97.4	97.4	97.4	97.4	98.4	98.7
IV 100	31.9	73.7	81.9	86.2	90.7	91.4	93.7	94.6	94.8	96.5	97.4	97.4	97.4	97.4	98.4	98.7
IV 0	31.9	73.8	82.0	86.3	90.8	91.5	93.7	94.9	95.0	96.7	97.6	97.6	97.6	97.6	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1719

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28001

# CEILING VERSUS VISIBILITY

13841

WILMINGTON OHIO/CLINTON CO AFB

44-49,53-61,65-68

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	16.0	37.3	39.3	40.1	40.4	40.4	40.8	40.9	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.1
IV 18000	21.2	42.8	43.2	46.0	46.5	46.6	47.0	47.1	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.4
IV 16000	21.2	42.8	43.2	46.0	46.5	46.6	47.0	47.1	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.4
IV 14000	21.2	42.8	43.2	46.0	46.5	46.6	47.0	47.1	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.4
IV 12000	21.2	42.8	43.2	46.0	46.5	46.6	47.0	47.1	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.4
IV 10000	22.7	46.0	49.3	50.3	50.9	51.0	51.4	51.5	51.5	51.7	51.7	51.7	51.7	51.7	51.7	52.0
IV 9000	23.0	47.5	50.2	51.3	51.8	52.0	52.4	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.9
IV 8000	23.1	48.0	51.7	52.3	53.4	53.6	54.0	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.5
IV 7000	23.9	50.7	54.0	55.3	55.8	55.9	56.4	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.9
IV 6000	23.8	51.6	55.0	56.3	56.9	57.0	57.4	57.5	57.5	57.7	57.7	57.7	57.7	57.7	57.7	58.0
IV 5000	24.3	52.8	57.3	58.8	59.3	59.6	60.0	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.6
IV 4500	24.3	52.8	57.3	58.8	59.3	59.6	60.0	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.6
IV 4000	24.9	56.3	61.4	63.1	64.3	64.4	65.0	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.7
IV 3500	25.1	57.8	63.8	65.3	66.4	66.5	67.2	67.3	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.9
IV 3000	25.5	59.9	65.9	68.3	69.6	69.8	70.3	70.6	70.7	70.8	70.9	70.9	70.9	70.9	70.9	71.2
IV 2500	26.8	62.6	69.4	72.3	74.1	74.3	75.1	75.2	75.3	75.4	75.5	75.5	75.5	75.5	75.5	75.8
IV 2000	27.2	64.9	72.3	75.7	77.8	77.9	78.7	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.7
IV 1800	27.5	65.9	73.4	77.0	79.0	79.2	80.0	80.3	80.3	80.6	80.7	80.7	80.7	80.7	80.7	81.0
IV 1500	27.8	67.1	75.2	79.4	81.9	82.1	83.3	83.7	83.8	84.1	84.1	84.1	84.1	84.1	84.1	84.4
IV 1200	28.1	68.7	77.1	81.9	84.4	84.7	85.9	86.4	86.5	86.8	86.8	86.8	86.8	86.8	86.8	87.1
IV 1000	28.2	69.1	78.4	83.3	86.8	87.1	88.4	88.9	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.6
IV 900	28.2	69.9	78.6	83.3	87.4	87.7	89.1	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.3
IV 800	28.2	69.9	78.6	84.1	88.0	88.4	90.1	90.7	91.0	91.3	91.3	91.3	91.3	91.3	91.3	92.0
IV 700	28.2	70.2	78.9	84.6	88.8	89.3	91.2	92.0	92.2	92.8	92.8	92.8	92.8	92.8	92.8	93.6
IV 600	28.2	70.2	79.1	85.1	89.6	90.0	92.2	93.1	93.3	94.4	94.4	94.4	94.4	94.4	94.4	95.2
IV 500	28.2	70.2	79.2	85.3	90.3	90.3	92.6	93.7	93.9	95.2	95.2	95.2	95.2	95.2	95.2	96.0
IV 400	28.2	70.2	79.2	85.3	90.3	90.3	92.6	93.7	93.9	95.2	95.2	95.2	95.2	95.2	95.2	96.0
IV 300	28.2	70.2	79.2	85.3	90.3	90.3	92.6	93.7	93.9	95.2	95.2	95.2	95.2	95.2	95.2	96.0
IV 200	28.2	70.2	79.2	85.3	90.3	90.3	92.6	93.7	93.9	95.2	95.2	95.2	95.2	95.2	95.2	96.0
IV 100	28.2	70.2	79.2	85.3	90.3	90.3	92.6	93.7	93.9	95.2	95.2	95.2	95.2	95.2	95.2	96.0
IV 0	28.2	70.2	79.2	85.3	90.3	90.3	92.6	93.7	93.9	95.2	95.2	95.2	95.2	95.2	95.2	96.0

TOTAL NUMBER OF OBSERVATIONS 1622

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-49, 53-61, 63-68  
YEARS

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼
NO CEILING ≥ 20000	12.3	25.3	28.4	29.7	31.6	32.2	32.9	33.2	33.3	33.5	33.7	33.7	33.7	33.7	33.9
IV 18000	13.9	32.3	36.4	38.1	40.2	40.7	41.8	42.2	42.3	42.6	42.8	42.8	42.8	42.8	42.9
IV 16000	16.0	32.6	36.6	38.3	40.3	41.1	42.2	42.6	42.6	42.9	43.2	43.2	43.2	43.2	43.3
IV 14000	16.0	32.6	36.6	38.3	40.3	41.1	42.2	42.6	42.6	42.9	43.2	43.2	43.2	43.2	43.3
IV 12000	16.1	32.9	37.0	38.7	41.0	41.8	42.6	43.0	43.1	43.3	43.6	43.6	43.6	43.6	43.7
IV 10000	16.8	36.6	38.8	40.7	43.0	43.5	44.7	45.1	45.1	45.5	45.8	45.8	45.8	45.8	45.9
IV 9000	17.7	36.9	41.3	43.5	45.7	46.2	47.3	47.9	47.9	48.4	48.6	48.6	48.6	48.6	48.7
IV 8000	17.9	37.7	42.1	44.3	46.6	47.1	48.3	48.7	48.8	49.3	49.5	49.5	49.5	49.5	49.6
IV 7000	18.4	39.7	44.4	46.8	49.4	50.1	51.3	51.7	51.7	52.2	52.4	52.4	52.4	52.4	52.5
IV 6000	18.9	41.2	46.1	48.5	51.4	51.9	53.2	53.6	53.7	54.2	54.4	54.4	54.4	54.4	54.5
IV 5000	19.3	42.1	47.1	49.6	52.6	53.2	54.5	54.9	55.0	55.4	55.7	55.7	55.7	55.7	55.8
IV 4500	19.8	43.3	48.7	51.4	54.6	55.3	56.5	57.0	57.1	57.7	57.9	57.9	57.9	57.9	58.1
IV 4000	20.1	44.2	49.7	52.5	55.9	56.5	57.8	58.3	58.4	59.0	59.2	59.2	59.2	59.2	59.3
IV 3500	20.7	45.9	52.0	54.8	58.3	59.1	60.6	61.0	61.1	61.7	62.0	62.0	62.0	62.0	62.1
IV 3000	21.1	47.2	53.8	56.9	60.7	61.6	63.2	63.6	63.8	64.3	64.6	64.6	64.6	64.6	64.7
IV 2500	21.3	49.3	56.4	59.9	63.8	64.8	66.4	67.0	67.1	67.7	67.9	67.9	67.9	67.9	68.1
IV 2000	22.4	51.1	58.9	62.7	66.7	67.7	69.9	70.4	70.6	71.3	71.6	71.6	71.6	71.6	71.7
IV 1800	23.0	53.8	62.6	67.1	71.3	72.7	74.8	75.3	75.7	76.5	77.0	77.0	77.0	77.0	77.3
IV 1500	23.1	54.6	63.5	68.1	72.7	74.2	76.3	77.0	77.1	78.1	78.6	78.6	78.6	78.6	78.9
IV 1200	23.4	56.0	65.5	70.6	75.2	76.8	79.7	80.5	80.7	81.8	82.3	82.3	82.3	82.3	82.6
IV 1000	23.9	57.0	66.7	71.8	77.0	78.7	81.9	82.7	82.9	84.0	84.5	84.5	84.5	84.5	84.9
IV 900	23.6	57.5	67.6	72.9	78.4	80.2	84.3	85.3	85.5	86.9	87.5	87.5	87.5	87.5	88.0
IV 800	23.7	58.1	68.3	73.5	79.8	81.7	85.8	87.1	87.3	88.6	89.2	89.2	89.2	89.2	89.7
IV 700	23.7	58.2	68.5	73.9	80.1	82.2	86.7	88.1	88.2	90.0	90.6	90.6	90.6	90.6	91.2
IV 600	23.7	58.3	68.8	74.2	80.6	82.9	87.6	89.6	89.9	92.0	92.7	92.7	92.7	92.7	93.6
IV 500	23.7	58.6	69.2	74.8	81.4	84.0	89.1	91.0	91.4	93.8	94.5	94.5	94.5	94.5	95.7
IV 400	23.8	58.7	69.3	74.9	81.7	84.3	89.8	91.7	92.2	94.9	95.9	95.9	95.9	95.9	97.2
IV 300	23.8	58.8	69.4	75.0	82.0	84.6	90.1	92.1	92.7	95.7	96.9	96.9	96.9	96.9	98.4
IV 200	23.8	58.8	69.4	75.0	82.0	84.6	90.2	92.3	92.8	96.1	97.4	97.4	97.4	97.4	99.5
IV 100	23.8	58.8	69.4	75.0	82.0	84.6	90.2	92.3	92.8	96.2	97.4	97.4	97.4	97.4	99.7
IV 0	23.8	58.8	69.4	75.0	82.0	84.6	90.2	92.3	92.8	96.2	97.4	97.4	97.4	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 1719

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CU AFB  
STATION NAME

44-49, 53-68  
YEARS

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING ≥ 20000	16.9 23.2	26.0 37.2	28.3 40.8	29.2 41.9	30.0 43.0	30.0 43.0	30.1 43.3	30.1 43.3	30.1 43.3	30.1 43.3	30.1 43.3	30.1 43.3	30.1 43.3	30.1 43.3	30.1 43.3	30.1 43.3
IV 18000 IV 16000	23.2 23.2	37.2 37.2	40.8 40.8	41.9 42.0	43.0 43.2	43.0 43.2	43.3 43.8	43.3 43.8	43.3 43.8	43.3 43.8	43.3 43.8	43.3 43.8	43.3 43.8	43.3 43.8	43.3 43.8	43.3 43.8
IV 14000 IV 12000	23.2 23.9	37.2 39.0	40.8 43.4	41.9 43.8	43.0 45.8	43.0 45.8	43.3 46.1	43.3 46.2	43.3 46.2	43.3 46.2	43.3 46.2	43.3 46.2	43.3 46.2	43.3 46.2	43.3 46.2	43.3 46.2
IV 10000 IV 9000	24.9 25.0	41.8 42.6	45.7 46.6	47.0 47.8	48.2 49.2	48.2 49.2	48.6 49.7	48.7 49.8	48.7 49.8	48.8 49.9	48.8 49.9	48.9 50.0	48.9 50.0	48.9 50.0	48.9 50.0	48.9 50.0
IV 8000 IV 7000	25.9 25.9	44.0 45.3	48.1 49.4	49.7 51.1	51.3 52.7	51.3 52.7	51.8 53.4	51.9 53.5	51.9 53.5	52.1 53.6	52.1 53.6	52.2 53.7	52.2 53.7	52.2 53.7	52.2 53.7	52.2 53.7
IV 6000 IV 5000	26.2 26.9	46.8 47.6	50.0 51.8	51.8 53.9	53.6 55.6	53.6 55.6	54.4 56.4	54.4 56.5	54.4 56.5	54.6 56.6	54.6 56.6	54.8 56.9	54.8 56.9	54.8 56.9	54.8 56.9	54.8 56.9
IV 4500 IV 4000	27.2 27.3	48.5 49.5	52.9 54.2	55.1 56.8	56.8 58.6	56.8 58.6	57.6 59.5	57.7 59.6	57.8 59.7	58.0 59.9	58.0 59.9	58.1 60.0	58.1 60.0	58.1 60.0	58.1 60.0	58.1 60.0
IV 3500 IV 3000	27.9 28.7	50.3 52.9	55.2 58.1	57.5 60.9	59.9 63.2	59.9 63.2	60.2 64.3	60.8 64.4	60.9 64.5	61.0 64.7	61.2 64.8	61.3 64.8	61.3 64.8	61.3 64.8	61.3 64.8	61.3 64.8
IV 2500 IV 2000	30.2 30.9	58.7 61.9	61.2 65.0	64.3 68.4	66.9 71.3	66.9 71.3	67.2 73.3	68.2 73.8	68.4 73.9	68.7 74.2	68.8 74.3	68.8 74.3	68.8 74.3	68.8 74.3	68.8 74.3	68.8 74.3
IV 1800 IV 1500	31.0 31.2	61.3 64.4	65.9 69.3	68.9 70.9	72.4 74.8	72.4 74.8	73.1 75.8	74.3 77.6	74.9 78.1	75.0 78.2	75.4 78.8	75.5 79.0	75.5 79.0	75.5 79.0	75.5 79.0	75.5 79.0
IV 1200 IV 1000	31.3 31.4	61.9 62.6	68.5 69.3	72.4 73.7	77.1 79.0	77.1 79.0	78.3 80.3	80.4 83.1	81.2 84.1	81.4 84.3	82.1 85.2	82.3 85.6	82.3 85.6	82.3 85.6	82.3 85.6	82.3 85.6
IV 900 IV 800	31.4 31.4	61.9 62.2	69.9 70.3	74.0 74.7	79.7 80.8	79.7 80.8	81.6 82.9	84.5 86.0	85.6 87.4	86.8 87.7	87.2 89.0	87.2 89.3	87.2 89.3	87.2 89.3	87.2 89.3	87.2 89.3
IV 700 IV 600	31.4 31.4	62.4 62.4	70.3 70.6	75.1 75.4	81.9 83.0	81.9 83.0	84.1 85.6	87.4 89.1	88.8 91.0	89.3 91.4	90.9 93.1	91.4 94.1	91.4 94.1	91.4 94.1	91.4 94.1	91.4 94.1
IV 500 IV 400	31.4 31.4	62.4 62.5	70.6 70.7	75.5 75.7	83.3 83.4	83.3 83.4	86.1 86.2	90.0 90.4	92.1 92.7	92.5 93.2	94.7 95.8	95.8 97.2	95.8 97.2	95.8 97.2	95.8 97.2	95.8 97.2
IV 300 IV 200	31.4 31.4	62.5 62.5	70.7 70.7	75.7 75.7	83.5 83.5	83.5 83.5	86.4 86.4	90.7 90.7	93.3 93.3	93.9 93.9	96.9 96.9	98.5 98.5	98.5 98.5	98.5 98.5	98.5 98.5	98.5 98.5
IV 100 IV 0	31.4 31.4	62.5 62.5	70.7 70.7	75.7 75.7	83.5 83.5	83.5 83.5	86.4 86.4	90.7 90.7	93.3 93.3	93.9 93.9	96.9 96.9	98.5 98.5	98.5 98.5	98.5 98.5	98.5 98.5	98.5 98.5

TOTAL NUMBER OF OBSERVATIONS 1925

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

12841 STATION WILMINGTON OHIO/CLINTON CU AFB

44-49,53-68 YEARS

MAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	18,0	24,0	24,7	25,3	25,5	25,5	25,5	25,5	25,5	25,5	25,5	25,5	25,5	25,5	25,5	25,5
≥ 20000	27,2	37,7	38,8	39,7	40,0	40,0	40,0	40,0	40,0	40,0	40,0	40,0	40,0	40,0	40,0	40,0
IV 8000	27,2	37,7	38,8	39,7	40,0	40,0	40,0	40,0	40,0	40,0	40,0	40,0	40,0	40,0	40,0	40,0
IV 16000	27,2	37,7	38,8	39,7	40,0	40,0	40,0	40,0	40,0	40,0	40,0	40,0	40,0	40,0	40,0	40,0
IV 14000	27,2	37,7	38,8	39,7	40,0	40,0	40,0	40,0	40,0	40,0	40,0	40,0	40,0	40,0	40,0	40,0
IV 12000	27,2	37,7	38,8	39,7	40,0	40,0	40,0	40,0	40,0	40,0	40,0	40,0	40,0	40,0	40,0	40,0
IV 10000	29,1	42,0	43,1	44,1	44,3	44,6	44,7	44,7	44,7	44,7	44,8	44,8	44,8	44,8	44,8	44,8
IV 9000	29,3	42,8	43,8	44,8	45,2	45,3	45,4	45,4	45,4	45,4	45,6	45,6	45,6	45,6	45,6	45,6
IV 8000	29,8	44,2	45,4	46,5	46,9	47,1	47,3	47,3	47,3	47,4	47,4	47,4	47,4	47,4	47,4	47,4
IV 7000	30,4	45,7	47,0	48,0	48,4	48,7	48,9	48,9	48,9	49,1	49,1	49,1	49,1	49,1	49,1	49,1
IV 6000	30,5	46,0	47,4	48,6	49,1	49,4	49,6	49,6	49,6	49,8	49,8	49,8	49,8	49,8	49,8	49,8
IV 5000	31,0	47,2	48,7	50,1	50,6	50,9	51,1	51,1	51,1	51,2	51,2	51,2	51,2	51,2	51,2	51,2
IV 4500	31,0	48,1	49,7	51,1	51,7	52,0	52,2	52,3	52,3	52,5	52,5	52,5	52,5	52,5	52,5	52,5
IV 4000	32,6	50,2	52,3	53,8	54,6	54,9	55,2	55,3	55,3	55,5	55,5	55,5	55,5	55,5	55,5	55,5
IV 3500	33,0	52,7	55,0	56,8	57,4	57,8	58,3	58,4	58,4	58,6	58,6	58,6	58,6	58,6	58,6	58,6
IV 3000	35,0	56,6	59,1	61,0	62,2	62,6	63,2	63,2	63,2	63,4	63,4	63,4	63,4	63,4	63,4	63,4
IV 2500	37,2	62,2	65,0	67,1	68,2	68,7	69,1	69,1	69,1	69,3	69,3	69,3	69,3	69,3	69,3	69,3
IV 2000	38,4	66,1	70,4	73,1	74,8	75,2	75,8	75,8	75,8	76,0	76,0	76,0	76,0	76,0	76,0	76,0
IV 1800	38,5	66,8	71,2	74,2	76,1	76,5	77,0	77,0	77,0	77,2	77,2	77,2	77,2	77,2	77,2	77,2
IV 1500	38,6	68,1	73,6	77,2	79,6	80,2	81,0	81,0	81,0	81,2	81,2	81,2	81,2	81,2	81,2	81,2
IV 1200	38,7	68,9	74,8	79,0	82,3	83,2	84,3	84,3	84,3	84,5	84,5	84,5	84,5	84,5	84,5	84,5
IV 1000	38,8	69,5	75,5	80,1	83,6	84,7	86,1	86,1	86,1	86,3	86,3	86,3	86,3	86,3	86,3	86,3
IV 900	38,8	70,0	76,1	81,2	84,7	85,9	87,3	87,3	87,3	87,5	87,5	87,5	87,5	87,5	87,5	87,5
IV 800	38,8	70,3	76,8	82,0	85,8	87,0	88,7	88,7	88,7	89,0	89,0	89,0	89,0	89,0	89,0	89,0
IV 700	38,8	70,4	76,9	82,6	86,7	88,1	89,8	89,8	89,8	90,2	90,2	90,2	90,2	90,2	90,2	90,2
IV 600	38,9	70,5	76,9	82,7	87,7	89,0	91,2	91,2	91,2	91,6	91,6	91,6	91,6	91,6	91,6	91,6
IV 500	38,9	70,5	76,9	82,8	88,0	89,3	91,9	91,9	91,9	92,4	92,4	92,4	92,4	92,4	92,4	92,4
IV 400	38,9	70,5	76,9	82,8	88,2	89,5	92,4	92,4	92,4	93,0	93,0	93,0	93,0	93,0	93,0	93,0
IV 300	38,9	70,5	76,9	82,8	88,2	89,5	92,6	92,6	92,6	93,4	93,4	93,4	93,4	93,4	93,4	93,4
IV 200	38,9	70,5	76,9	82,8	88,2	89,5	92,6	92,6	92,6	93,4	93,4	93,4	93,4	93,4	93,4	93,4
IV 100	38,9	70,5	76,9	82,8	88,2	89,5	92,6	92,6	92,6	93,4	93,4	93,4	93,4	93,4	93,4	93,4
IV 0	38,9	70,5	76,9	82,8	88,2	89,5	92,6	92,6	92,6	93,4	93,4	93,4	93,4	93,4	93,4	93,4

TOTAL NUMBER OF OBSERVATIONS 1924

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CU AFB  
STATION NAME

44-49, 53-68  
YEARS

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼
NO CEILING	18.3	23.4	24.0	24.3	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4
≥ 20000	28.4	37.8	38.9	39.2	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
IV 18000	28.4	37.8	38.9	39.2	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
IV 16000	28.6	38.0	39.1	39.4	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
IV 14000	29.2	38.9	40.0	40.3	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 12000	29.8	40.2	41.3	41.6	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 10000	31.3	42.8	44.0	44.3	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
IV 9000	31.3	42.8	44.0	44.3	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
IV 8000	31.9	43.2	44.7	45.2	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 7000	32.8	46.9	48.4	48.9	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 6000	33.1	47.7	49.3	49.9	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 5000	33.3	48.7	50.5	51.2	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
IV 4500	34.8	50.6	52.4	53.2	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
IV 4000	36.3	53.8	55.9	56.8	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 3500	37.8	57.0	59.6	60.7	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
IV 3000	39.3	60.1	63.0	64.2	65.1	65.2	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 2500	40.9	63.0	66.2	67.8	68.8	68.9	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 2000	41.4	66.6	72.6	73.1	73.1	73.6	73.8	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 1800	41.9	69.2	73.7	76.4	78.6	79.3	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 1500	41.6	70.9	76.6	79.9	82.3	83.5	83.8	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 1200	41.9	71.8	77.9	81.7	84.6	85.7	86.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 1000	41.6	72.4	78.7	82.8	86.0	87.2	87.8	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 900	41.6	72.8	79.3	83.9	87.7	89.0	89.9	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 800	41.6	72.8	79.3	83.9	87.7	89.0	89.9	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 700	41.6	73.2	79.8	84.3	88.4	89.7	90.9	92.6	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 600	41.6	73.2	79.8	84.3	88.4	89.7	90.9	92.6	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 500	41.6	73.3	79.9	84.8	89.1	90.8	92.2	93.1	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 400	41.6	73.3	80.0	84.9	89.1	90.8	92.2	93.1	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 300	41.6	73.3	80.0	84.9	89.1	90.8	92.2	93.1	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 200	41.6	73.3	80.0	84.9	89.1	90.8	92.2	93.1	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 100	41.6	73.3	80.0	84.9	89.1	90.8	92.2	93.1	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 0	41.6	73.3	80.0	84.9	89.1	90.8	92.2	93.1	93.0	93.0	93.0	93.0	93.0	93.0	93.0

TOTAL NUMBER OF OBSERVATIONS 1988

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841 WILMINGTON OHIO/CLINTON CO AFB

44M49.53068

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800M2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	21,5	32,5	33,6	33,7	33,9	33,9	33,9	33,9	33,9	33,9	33,9	33,9	33,9	33,9	33,9	33,9
IV 18000	29,4	43,7	43,1	43,4	43,6	43,6	43,6	43,7	43,7	43,7	43,7	43,7	43,7	43,7	43,7	43,7
IV 16000	29,6	43,9	43,3	43,5	43,7	43,7	43,8	43,8	43,8	43,8	43,8	43,8	43,8	43,8	43,8	43,8
IV 14000	30,1	44,9	46,4	46,7	46,9	47,0	47,0	47,0	47,0	47,0	47,0	47,0	47,0	47,0	47,0	47,0
IV 12000	30,6	46,6	48,2	48,5	48,8	48,8	48,9	48,9	48,9	48,9	48,9	48,9	48,9	48,9	48,9	48,9
IV 10000	32,4	49,7	51,9	51,9	52,4	52,5	52,5	52,5	52,5	52,5	52,5	52,5	52,5	52,5	52,5	52,5
IV 9000	32,6	50,2	52,0	52,0	52,9	53,0	53,0	53,0	53,0	53,0	53,0	53,0	53,0	53,0	53,0	53,0
IV 8000	33,0	52,2	54,3	54,8	55,3	55,3	55,3	55,4	55,4	55,4	55,4	55,4	55,4	55,4	55,4	55,4
IV 7000	33,4	53,5	55,6	56,1	56,6	56,6	56,6	56,7	56,7	56,7	56,7	56,7	56,7	56,7	56,7	56,7
IV 6000	33,9	54,3	56,5	57,2	57,7	57,8	57,8	57,8	57,8	57,8	57,8	57,8	57,8	57,8	57,8	57,8
IV 5000	34,4	56,1	58,6	59,4	60,2	60,3	60,3	60,4	60,4	60,4	60,4	60,4	60,4	60,4	60,4	60,4
IV 4500	34,9	57,4	59,9	60,9	61,8	61,9	61,9	62,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0	62,0
IV 4000	35,3	59,7	62,5	63,5	64,5	64,6	64,6	64,7	64,7	64,8	64,8	64,8	64,8	64,8	64,8	64,8
IV 3500	36,4	62,1	65,3	66,3	67,4	67,6	67,7	67,8	67,8	67,8	67,9	67,9	67,9	67,9	67,9	67,9
IV 3000	37,4	64,9	68,4	69,7	71,0	71,2	71,4	71,6	71,6	71,7	71,7	71,7	71,7	71,7	71,7	71,7
IV 2500	37,9	68,2	72,6	74,2	75,9	76,1	76,4	76,7	76,7	76,8	76,8	76,8	76,8	76,8	76,8	76,8
IV 2000	38,4	71,2	76,6	79,2	81,1	81,4	81,8	82,2	82,2	82,3	82,3	82,3	82,3	82,3	82,3	82,3
IV 1800	38,4	71,7	77,3	79,9	81,9	82,2	82,7	83,1	83,1	83,3	83,3	83,3	83,3	83,3	83,3	83,3
IV 1500	38,6	72,6	78,8	81,8	84,4	84,9	85,6	86,1	86,1	86,6	86,7	86,7	86,7	86,7	86,7	86,7
IV 1200	38,8	73,3	79,7	83,2	86,2	86,6	87,7	88,3	88,3	89,2	89,2	89,2	89,2	89,2	89,2	89,2
IV 1000	38,8	73,7	80,3	84,0	87,3	87,3	89,6	90,4	90,4	91,3	91,3	91,3	91,3	91,3	91,3	91,3
IV 900	38,8	74,0	80,7	84,6	87,9	87,9	90,4	91,4	91,4	92,8	92,8	92,8	92,8	92,8	92,8	92,8
IV 800	38,8	74,0	80,8	84,5	88,2	88,2	91,1	92,1	92,2	93,2	93,2	93,2	93,2	93,2	93,2	93,2
IV 700	38,8	74,2	81,0	84,8	88,6	88,6	91,8	93,0	93,1	94,3	94,3	94,3	94,3	94,3	94,3	94,3
IV 600	38,8	74,3	81,2	85,0	89,0	89,0	92,5	93,7	93,8	95,3	95,3	95,3	95,3	95,3	95,3	95,3
IV 500	38,8	74,3	81,2	85,0	89,2	89,2	93,2	94,4	94,5	96,2	96,4	96,4	96,4	96,4	96,4	96,4
IV 400	38,8	74,3	81,2	85,1	89,3	89,3	93,7	95,0	95,2	97,1	97,3	97,3	97,3	97,3	97,3	97,3
IV 300	38,9	74,4	81,2	85,2	89,4	89,4	94,0	95,3	95,4	97,5	97,5	97,5	97,5	97,5	97,5	97,5
IV 200	38,9	74,4	81,2	85,2	89,4	89,4	94,0	95,3	95,4	97,5	97,5	97,5	97,5	97,5	97,5	97,5
IV 100	38,9	74,4	81,2	85,2	89,4	89,4	94,0	95,3	95,4	97,5	97,5	97,5	97,5	97,5	97,5	97,5
IV 0	38,9	74,4	81,2	85,2	89,4	89,4	94,0	95,3	95,4	97,5	97,5	97,5	97,5	97,5	97,5	97,5

TOTAL NUMBER OF OBSERVATIONS 1987



DATA PROCESSING DIVISION  
ETAC, USAF  
ASBREVILLE, N. C., 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-49-53-68  
YEARS

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	22,8	38,4	40,1	40,1	40,4	40,5	40,5	40,5	40,5	40,6	40,6	40,6	40,6	40,6	40,7	40,7
≥ 20000	27,7	45,8	47,8	48,1	48,4	48,4	48,6	48,6	48,6	48,6	48,6	48,6	48,6	48,6	48,8	48,8
IV 18000	27,7	46,0	48,0	48,2	48,5	48,6	48,7	48,7	48,7	48,8	48,8	48,8	48,8	48,8	48,9	48,9
IV 16000	27,8	46,1	48,1	48,3	48,7	48,7	48,9	48,9	48,9	48,9	48,9	48,9	48,9	48,9	49,1	49,1
IV 14000	28,0	47,0	49,0	49,3	49,6	49,6	49,8	49,8	49,8	49,8	49,8	49,8	49,8	49,8	50,0	50,0
IV 12000	28,4	48,7	50,9	51,3	51,7	51,8	51,9	51,9	51,9	52,0	52,0	52,0	52,0	52,0	52,1	52,1
IV 10000	30,0	51,5	53,8	54,3	54,8	54,8	55,1	55,1	55,1	55,2	55,2	55,2	55,2	55,2	55,4	55,4
IV 9000	30,3	52,1	54,4	55,0	55,4	55,5	55,8	55,8	55,8	55,8	55,8	55,8	55,8	55,9	56,0	56,0
IV 8000	30,7	54,0	56,4	57,0	57,4	57,5	57,8	57,8	57,8	57,8	57,8	57,8	57,8	57,9	58,0	58,0
IV 7000	31,4	55,5	58,0	58,6	59,0	59,0	59,4	59,4	59,4	59,4	59,4	59,4	59,4	59,5	59,6	59,6
IV 6000	31,7	56,4	58,9	59,7	60,3	60,3	60,6	60,6	60,6	60,7	60,7	60,7	60,7	60,7	60,9	60,9
IV 5000	32,7	58,6	61,6	62,4	63,0	63,1	63,4	63,4	63,4	63,5	63,5	63,5	63,5	63,5	63,7	63,7
IV 4500	33,1	60,0	63,3	64,2	64,9	65,0	65,3	65,3	65,3	65,4	65,4	65,4	65,4	65,4	65,6	65,6
IV 4000	33,3	61,7	65,6	66,3	67,0	67,1	67,4	67,4	67,4	67,5	67,5	67,5	67,5	67,5	67,7	67,7
IV 3500	33,9	64,2	68,5	69,5	70,5	70,5	70,9	70,9	70,9	70,9	70,9	70,9	70,9	71,0	71,1	71,1
IV 3000	34,3	66,4	71,2	72,4	73,4	73,5	73,9	73,9	73,9	74,0	74,0	74,0	74,0	74,0	74,2	74,2
IV 2500	35,1	69,3	75,0	76,3	77,8	77,8	78,3	78,3	78,3	78,4	78,4	78,4	78,4	78,4	78,6	78,6
IV 2000	35,8	71,2	78,2	80,1	81,3	81,4	82,0	82,0	82,0	82,1	82,1	82,1	82,1	82,1	82,3	82,3
IV 1800	35,8	71,6	78,8	80,6	82,2	82,2	82,9	82,9	82,9	83,0	83,0	83,1	83,1	83,1	83,3	83,3
IV 1500	36,0	72,8	80,4	82,6	84,9	85,0	85,8	85,8	85,8	86,0	86,0	86,0	86,0	86,1	86,2	86,2
IV 1200	36,1	73,7	82,0	84,3	87,0	87,4	88,5	88,5	88,5	88,9	88,9	89,0	89,0	89,0	89,2	89,2
IV 1000	36,1	74,1	82,8	85,2	88,4	88,9	90,1	90,1	90,1	90,5	90,5	90,9	90,9	91,0	91,2	91,2
IV 900	36,1	74,1	83,0	85,6	88,5	89,4	90,9	91,3	91,3	91,7	91,7	91,8	91,8	91,8	92,0	92,0
IV 800	36,1	74,2	83,1	85,8	89,3	89,9	91,6	92,1	92,1	92,9	92,9	92,9	92,9	93,1	93,2	93,2
IV 700	36,1	74,4	83,3	85,3	90,0	90,6	92,3	93,0	93,1	94,0	94,0	94,0	94,2	94,2	94,3	94,3
IV 600	36,1	74,5	83,7	85,3	90,4	91,1	93,2	93,7	93,9	94,8	94,9	95,0	95,1	95,1	95,3	95,3
IV 500	36,1	74,6	83,8	85,7	90,9	91,8	94,3	95,0	95,1	96,1	96,2	96,3	96,5	96,5	96,6	96,6
IV 400	36,1	74,5	83,8	86,7	91,0	92,1	95,0	95,9	96,1	97,1	97,3	97,3	97,5	97,5	97,7	97,7
IV 300	36,1	74,7	83,9	86,8	91,2	92,3	95,4	96,4	96,5	97,6	97,9	98,0	98,2	98,2	98,4	98,4
IV 200	36,1	74,7	83,9	86,8	91,2	92,3	95,5	96,5	96,7	98,0	98,4	98,5	99,0	99,0	99,3	99,4
IV 100	36,1	74,7	83,9	86,8	91,2	92,3	95,5	96,5	96,7	98,0	98,4	98,5	99,1	99,2	99,6	99,7
IV 0	36,1	74,7	83,9	86,8	91,2	92,3	95,5	96,5	96,7	98,0	98,4	98,5	99,1	99,2	99,7	100,0

TOTAL NUMBER OF OBSERVATIONS 1978

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CU AFB

44-49,53-68

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ 4/8	≥ 3/8	≥ 1/4	≥ 0
NO CEILING	18.7	30.7	32.3	32.8	33.3	33.4	33.6	33.6	33.6	33.7	33.7	33.7	33.7	33.7	33.8	33.8
≥ 20000	23.0	40.4	42.6	42.8	43.9	44.0	44.2	44.3	44.3	44.4	44.4	44.4	44.4	44.4	44.5	44.6
IV 18000	25.0	40.4	42.6	42.8	43.9	44.0	44.2	44.3	44.3	44.4	44.4	44.4	44.4	44.4	44.5	44.6
IV 16000	25.1	40.3	42.7	42.9	44.1	44.2	44.4	44.5	44.5	44.6	44.6	44.6	44.6	44.6	44.7	44.7
IV 14000	25.3	41.2	43.5	44.2	44.9	45.0	45.2	45.3	45.3	45.3	45.4	45.4	45.4	45.4	45.5	45.5
IV 12000	26.0	42.8	45.1	46.0	46.7	46.8	47.0	47.1	47.1	47.2	47.2	47.2	47.2	47.2	47.3	47.3
IV 10000	27.1	45.2	47.7	48.6	49.3	49.4	49.7	49.8	49.8	49.9	50.0	50.0	50.0	50.0	50.1	50.1
IV 9000	27.3	46.0	48.5	49.6	50.2	50.3	50.6	50.7	50.7	50.8	50.9	50.9	50.9	50.9	50.9	51.0
IV 8000	27.7	47.7	50.4	51.4	52.3	52.4	52.7	52.8	52.8	52.9	53.0	53.0	53.0	53.0	53.1	53.1
IV 7000	28.2	49.2	52.0	53.1	53.9	54.1	54.4	54.5	54.5	54.7	54.7	54.7	54.7	54.7	54.8	54.8
IV 6000	28.5	49.9	52.8	54.0	55.0	55.1	55.5	55.6	55.6	55.7	55.8	55.8	55.8	55.8	55.9	55.9
IV 5000	29.1	51.7	54.7	56.1	57.1	57.3	57.7	57.8	57.8	57.9	58.0	58.0	58.0	58.0	58.1	58.1
IV 4500	29.6	52.7	56.1	57.5	58.6	58.8	59.2	59.3	59.3	59.5	59.5	59.5	59.5	59.5	59.6	59.7
IV 4000	30.3	54.6	58.6	60.1	61.4	61.6	62.0	62.2	62.2	62.4	62.4	62.4	62.4	62.4	62.5	62.6
IV 3500	30.9	56.8	61.0	62.7	64.1	64.3	64.8	65.0	65.0	65.2	65.3	65.3	65.3	65.3	65.3	65.4
IV 3000	31.7	59.4	64.0	66.0	67.5	67.8	68.4	68.6	68.6	68.8	68.9	68.9	68.9	68.9	69.0	69.0
IV 2500	33.0	62.9	68.1	70.4	72.3	72.6	73.3	73.6	73.6	73.8	73.9	73.9	73.9	73.9	74.0	74.0
IV 2000	33.7	65.7	71.9	74.8	77.0	77.5	78.3	78.6	78.7	79.0	79.1	79.1	79.1	79.1	79.2	79.2
IV 1800	33.7	66.2	72.6	75.7	78.1	78.6	79.5	79.9	79.9	80.2	80.3	80.3	80.3	80.3	80.4	80.5
IV 1500	33.9	67.6	74.6	78.0	80.9	81.3	82.7	83.2	83.3	83.8	83.9	83.9	83.9	84.0	84.0	84.1
IV 1200	34.0	68.5	75.9	79.7	83.0	83.3	85.2	85.9	86.0	86.6	86.7	86.7	86.7	86.8	86.9	87.0
IV 1000	34.1	69.0	76.7	80.8	84.5	84.8	87.2	88.0	88.1	88.8	89.0	89.0	89.0	89.2	89.3	89.3
IV 900	34.1	69.3	77.1	81.3	85.2	85.5	88.1	89.0	89.1	89.9	90.1	90.1	90.1	90.3	90.4	90.4
IV 800	34.1	69.8	77.4	81.8	86.0	86.3	89.1	90.2	90.3	91.3	91.6	91.6	91.6	91.8	91.9	91.9
IV 700	34.1	69.7	77.6	82.2	86.6	87.0	90.0	91.2	91.4	92.4	92.9	92.9	92.9	93.1	93.2	93.2
IV 600	34.2	69.6	77.8	82.4	87.3	87.7	91.1	92.3	92.7	94.0	94.4	94.4	94.4	94.7	94.8	94.9
IV 500	34.2	69.9	77.9	82.6	87.7	88.2	92.1	93.5	93.8	95.4	95.9	95.9	95.9	96.3	96.5	96.6
IV 400	34.2	69.9	78.0	82.7	87.9	88.5	92.3	94.1	94.4	96.2	96.8	96.8	96.8	97.4	97.6	97.7
IV 300	34.2	69.9	78.0	82.8	88.0	88.7	92.5	94.5	94.8	96.8	97.5	97.5	97.5	98.3	98.5	98.6
IV 200	34.2	69.9	78.0	82.8	88.1	88.7	92.5	94.5	94.8	97.0	97.9	97.9	97.9	98.8	99.2	99.4
IV 100	34.2	69.9	78.0	82.8	88.1	88.7	92.5	94.5	94.8	97.1	98.0	98.0	98.0	99.0	99.4	99.7
IV 0	34.2	69.9	78.0	82.8	88.1	88.7	92.5	94.5	95.0	97.2	98.0	98.1	98.1	99.1	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 14882

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CU AFB  
STATION NAME

44w49,53w61,63w60  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (L.S.P.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼
NO CEILING	24.3	41.6	42.7	43.0	43.2	43.2	43.4	43.4	43.4	43.6	43.6	43.6	43.6	43.6	43.7
≥ 20000	24.3	41.6	42.7	43.0	43.2	43.2	43.4	43.4	43.4	43.6	43.6	43.6	43.6	43.6	43.7
≥ 18000	30.7	52.2	53.8	54.1	54.3	54.3	54.5	54.5	54.5	54.7	54.7	54.7	54.7	54.7	54.8
≥ 16000	30.8	52.2	53.9	54.2	54.4	54.4	54.6	54.6	54.6	54.8	54.8	54.8	54.8	54.8	54.9
≥ 14000	31.2	52.7	54.4	54.7	55.0	55.0	55.1	55.1	55.1	55.4	55.4	55.4	55.4	55.4	55.4
≥ 12000	32.6	53.1	56.7	57.2	57.6	57.6	57.8	57.8	57.8	58.0	58.0	58.0	58.0	58.0	58.1
≥ 10000	34.3	54.5	60.2	60.7	61.4	61.4	61.6	61.6	61.6	61.9	61.9	61.9	61.9	61.9	61.9
≥ 9000	35.0	55.5	61.2	61.8	62.5	62.5	62.7	62.7	62.7	62.9	62.9	62.9	62.9	62.9	63.0
≥ 8000	36.0	56.2	62.0	62.7	63.4	63.4	63.5	63.5	63.5	63.8	63.8	63.8	63.8	63.8	63.9
≥ 7000	36.7	56.3	62.1	62.9	63.6	63.6	63.7	63.7	63.7	63.9	63.9	63.9	63.9	63.9	64.0
≥ 6000	36.8	56.9	62.2	63.0	63.6	63.6	63.8	63.8	63.8	64.0	64.0	64.0	64.0	64.0	64.1
≥ 5000	38.1	58.0	62.4	63.3	63.9	63.9	64.1	64.1	64.1	64.3	64.3	64.3	64.3	64.3	64.4
≥ 4500	38.1	58.0	62.4	63.3	63.9	63.9	64.1	64.1	64.1	64.3	64.3	64.3	64.3	64.3	64.4
≥ 4000	38.1	58.0	62.4	63.3	63.9	63.9	64.1	64.1	64.1	64.3	64.3	64.3	64.3	64.3	64.4
≥ 3500	38.1	58.0	62.4	63.3	63.9	63.9	64.1	64.1	64.1	64.3	64.3	64.3	64.3	64.3	64.4
≥ 3000	40.0	58.6	62.5	63.4	64.0	64.0	64.2	64.2	64.2	64.4	64.4	64.4	64.4	64.4	64.5
≥ 2500	41.2	58.8	62.5	63.4	64.0	64.0	64.2	64.2	64.2	64.4	64.4	64.4	64.4	64.4	64.5
≥ 2000	41.2	58.8	62.5	63.4	64.0	64.0	64.2	64.2	64.2	64.4	64.4	64.4	64.4	64.4	64.5
≥ 1800	41.2	58.8	62.5	63.4	64.0	64.0	64.2	64.2	64.2	64.4	64.4	64.4	64.4	64.4	64.5
≥ 1500	41.2	58.8	62.5	63.4	64.0	64.0	64.2	64.2	64.2	64.4	64.4	64.4	64.4	64.4	64.5
≥ 1200	42.1	58.9	62.5	63.4	64.0	64.0	64.2	64.2	64.2	64.4	64.4	64.4	64.4	64.4	64.5
≥ 1000	42.1	58.9	62.5	63.4	64.0	64.0	64.2	64.2	64.2	64.4	64.4	64.4	64.4	64.4	64.5
≥ 900	42.1	58.9	62.5	63.4	64.0	64.0	64.2	64.2	64.2	64.4	64.4	64.4	64.4	64.4	64.5
≥ 800	42.1	58.9	62.5	63.4	64.0	64.0	64.2	64.2	64.2	64.4	64.4	64.4	64.4	64.4	64.5
≥ 700	42.2	58.9	62.5	63.4	64.0	64.0	64.2	64.2	64.2	64.4	64.4	64.4	64.4	64.4	64.5
≥ 600	42.2	58.9	62.5	63.4	64.0	64.0	64.2	64.2	64.2	64.4	64.4	64.4	64.4	64.4	64.5
≥ 500	42.2	58.9	62.5	63.4	64.0	64.0	64.2	64.2	64.2	64.4	64.4	64.4	64.4	64.4	64.5
≥ 400	42.2	58.9	62.5	63.4	64.0	64.0	64.2	64.2	64.2	64.4	64.4	64.4	64.4	64.4	64.5
≥ 300	42.2	58.9	62.5	63.4	64.0	64.0	64.2	64.2	64.2	64.4	64.4	64.4	64.4	64.4	64.5
≥ 200	42.2	58.9	62.5	63.4	64.0	64.0	64.2	64.2	64.2	64.4	64.4	64.4	64.4	64.4	64.5
≥ 100	42.2	58.9	62.5	63.4	64.0	64.0	64.2	64.2	64.2	64.4	64.4	64.4	64.4	64.4	64.5
≥ 0	42.2	58.9	62.5	63.4	64.0	64.0	64.2	64.2	64.2	64.4	64.4	64.4	64.4	64.4	64.5

TOTAL NUMBER OF OBSERVATIONS 1712

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841 WILMINGTON OHIO/CLINTON CO AFB

44-49,53-61,65-66

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS UTC

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	20.0	39.6	41.0	41.8	42.0	42.0	42.3	42.4	42.4	42.5	42.5	42.5	42.5	42.5	42.8	42.8
≥ 20000	25.5	44.3	50.1	50.9	51.1	51.1	51.4	51.5	51.5	51.6	51.6	51.6	51.6	51.6	52.0	52.0
≥ 18000	25.5	44.3	50.1	50.9	51.1	51.1	51.4	51.5	51.5	51.6	51.6	51.6	51.6	51.6	52.0	52.0
≥ 16000	25.7	48.5	50.3	51.1	51.3	51.3	51.6	51.7	51.7	51.8	51.8	51.8	51.8	51.8	52.2	52.2
≥ 14000	25.7	48.7	50.6	51.4	51.6	51.7	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.6	52.6
≥ 12000	26.7	51.0	52.9	53.7	54.0	54.0	54.3	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.9	54.9
≥ 10000	28.2	55.0	57.0	58.1	58.5	58.6	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.5	59.5
≥ 9000	28.8	55.9	58.0	59.1	59.6	59.6	60.0	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.5	60.5
≥ 8000	30.1	59.1	61.3	62.4	62.8	62.9	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.8	63.8
≥ 7000	30.6	60.7	63.1	64.3	64.8	64.8	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.7	65.7
≥ 6000	31.2	62.1	64.5	65.7	66.2	66.2	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	67.1	67.1
≥ 5000	32.0	64.1	66.7	68.0	68.5	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	69.4	69.4
≥ 4500	32.9	65.6	68.6	70.0	70.5	70.5	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.5	71.5
≥ 4000	32.9	67.8	71.0	72.6	73.4	73.5	73.9	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.4	74.4
≥ 3500	33.1	68.9	72.2	73.8	74.7	74.7	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.7	75.7
≥ 3000	33.8	71.3	75.0	77.1	78.0	78.1	78.4	78.5	78.5	78.6	78.6	78.6	78.6	78.6	79.1	79.1
≥ 2500	33.1	74.5	78.7	81.0	82.0	82.1	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7	83.2	83.2
≥ 2000	35.5	77.1	82.1	84.5	85.7	85.9	86.3	86.4	86.4	86.5	86.5	86.5	86.5	86.5	87.0	87.0
≥ 1800	35.0	77.7	82.6	85.1	86.3	86.5	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.6	87.6
≥ 1500	35.7	78.4	83.4	85.9	87.9	88.0	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.2	89.2
≥ 1200	35.7	79.2	84.3	87.2	89.4	89.6	90.2	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.9	90.9
≥ 1000	35.6	79.9	85.0	88.2	90.6	90.8	91.6	91.7	91.7	91.9	91.9	91.9	91.9	91.9	92.4	92.4
≥ 900	35.8	80.3	85.6	89.2	91.6	91.7	92.5	92.7	92.7	92.9	92.9	92.9	92.9	92.9	93.4	93.4
≥ 800	35.8	80.6	86.0	89.9	91.9	92.1	92.9	93.2	93.2	93.4	93.4	93.4	93.4	93.4	93.9	93.9
≥ 700	36.0	81.0	86.4	90.1	92.6	92.8	93.8	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.8	94.8
≥ 600	36.0	81.3	86.6	90.4	93.0	93.2	94.5	94.8	94.8	95.0	95.0	95.0	95.0	95.0	95.5	95.5
≥ 500	36.0	81.8	86.9	90.9	93.8	94.0	95.3	95.6	95.6	95.8	95.8	95.8	95.8	95.8	96.6	96.6
≥ 400	36.0	81.8	86.9	90.9	94.0	94.2	95.7	96.2	96.2	96.3	96.3	96.3	96.3	96.3	97.3	97.3
≥ 300	36.0	81.7	87.1	91.1	94.5	94.6	96.4	97.0	97.0	97.3	97.3	97.3	97.3	97.3	98.3	98.3
≥ 200	36.0	81.7	87.1	91.1	94.6	94.8	96.5	97.2	97.2	97.3	97.3	97.3	97.3	97.3	98.3	98.3
≥ 100	36.0	81.7	87.1	91.1	94.6	94.8	96.5	97.2	97.3	97.3	97.3	97.3	97.3	97.3	98.3	98.3
≥ 0	36.0	81.7	87.1	91.1	94.6	94.8	96.5	97.2	97.3	97.3	97.3	97.3	97.3	97.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS 1623

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHREVEILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841 WILMINGTON OHIO/CLINTON CO AFB

44-49,53-61,63-68

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 0	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	13.7	26.5	29.8	31.2	32.0	32.2	32.5	32.7	32.7	32.9	32.9	32.9	32.9	33.0	33.1	33.1
IV 18000	23.0	38.7	42.8	44.5	45.3	45.6	45.9	46.0	46.1	46.4	46.4	46.4	46.5	46.6	46.7	46.7
IV 16000	23.0	38.7	42.8	44.5	45.3	45.6	45.9	46.0	46.1	46.4	46.4	46.4	46.5	46.6	46.7	46.7
IV 14000	23.0	38.7	42.8	44.5	45.3	45.6	45.9	46.0	46.1	46.4	46.4	46.4	46.5	46.6	46.7	46.7
IV 12000	23.0	38.7	42.8	44.5	45.3	45.6	45.9	46.0	46.1	46.4	46.4	46.4	46.5	46.6	46.7	46.7
IV 10000	23.0	38.7	42.8	44.5	45.3	45.6	45.9	46.0	46.1	46.4	46.4	46.4	46.5	46.6	46.7	46.7
IV 9000	23.0	38.7	42.8	44.5	45.3	45.6	45.9	46.0	46.1	46.4	46.4	46.4	46.5	46.6	46.7	46.7
IV 8000	23.0	38.7	42.8	44.5	45.3	45.6	45.9	46.0	46.1	46.4	46.4	46.4	46.5	46.6	46.7	46.7
IV 7000	23.0	38.7	42.8	44.5	45.3	45.6	45.9	46.0	46.1	46.4	46.4	46.4	46.5	46.6	46.7	46.7
IV 6000	23.0	38.7	42.8	44.5	45.3	45.6	45.9	46.0	46.1	46.4	46.4	46.4	46.5	46.6	46.7	46.7
IV 5000	23.0	38.7	42.8	44.5	45.3	45.6	45.9	46.0	46.1	46.4	46.4	46.4	46.5	46.6	46.7	46.7
IV 4500	23.0	38.7	42.8	44.5	45.3	45.6	45.9	46.0	46.1	46.4	46.4	46.4	46.5	46.6	46.7	46.7
IV 4000	23.0	38.7	42.8	44.5	45.3	45.6	45.9	46.0	46.1	46.4	46.4	46.4	46.5	46.6	46.7	46.7
IV 3500	23.0	38.7	42.8	44.5	45.3	45.6	45.9	46.0	46.1	46.4	46.4	46.4	46.5	46.6	46.7	46.7
IV 3000	23.0	38.7	42.8	44.5	45.3	45.6	45.9	46.0	46.1	46.4	46.4	46.4	46.5	46.6	46.7	46.7
IV 2500	23.0	38.7	42.8	44.5	45.3	45.6	45.9	46.0	46.1	46.4	46.4	46.4	46.5	46.6	46.7	46.7
IV 2000	23.0	38.7	42.8	44.5	45.3	45.6	45.9	46.0	46.1	46.4	46.4	46.4	46.5	46.6	46.7	46.7
IV 1800	23.0	38.7	42.8	44.5	45.3	45.6	45.9	46.0	46.1	46.4	46.4	46.4	46.5	46.6	46.7	46.7
IV 1500	23.0	38.7	42.8	44.5	45.3	45.6	45.9	46.0	46.1	46.4	46.4	46.4	46.5	46.6	46.7	46.7
IV 1200	23.0	38.7	42.8	44.5	45.3	45.6	45.9	46.0	46.1	46.4	46.4	46.4	46.5	46.6	46.7	46.7
IV 1000	23.0	38.7	42.8	44.5	45.3	45.6	45.9	46.0	46.1	46.4	46.4	46.4	46.5	46.6	46.7	46.7
IV 900	23.0	38.7	42.8	44.5	45.3	45.6	45.9	46.0	46.1	46.4	46.4	46.4	46.5	46.6	46.7	46.7
IV 800	23.0	38.7	42.8	44.5	45.3	45.6	45.9	46.0	46.1	46.4	46.4	46.4	46.5	46.6	46.7	46.7
IV 700	23.0	38.7	42.8	44.5	45.3	45.6	45.9	46.0	46.1	46.4	46.4	46.4	46.5	46.6	46.7	46.7
IV 600	23.0	38.7	42.8	44.5	45.3	45.6	45.9	46.0	46.1	46.4	46.4	46.4	46.5	46.6	46.7	46.7
IV 500	23.0	38.7	42.8	44.5	45.3	45.6	45.9	46.0	46.1	46.4	46.4	46.4	46.5	46.6	46.7	46.7
IV 400	23.0	38.7	42.8	44.5	45.3	45.6	45.9	46.0	46.1	46.4	46.4	46.4	46.5	46.6	46.7	46.7
IV 300	23.0	38.7	42.8	44.5	45.3	45.6	45.9	46.0	46.1	46.4	46.4	46.4	46.5	46.6	46.7	46.7
IV 200	23.0	38.7	42.8	44.5	45.3	45.6	45.9	46.0	46.1	46.4	46.4	46.4	46.5	46.6	46.7	46.7
IV 100	23.0	38.7	42.8	44.5	45.3	45.6	45.9	46.0	46.1	46.4	46.4	46.4	46.5	46.6	46.7	46.7
IV 0	23.0	38.7	42.8	44.5	45.3	45.6	45.9	46.0	46.1	46.4	46.4	46.4	46.5	46.6	46.7	46.7

TOTAL NUMBER OF OBSERVATIONS 1712

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841 WILMINGTON OHIO/CLINTON CU AFB

44-49,53-68

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼
NO CEILING	20.9	28.7	29.7	30.0	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
≥ 20000	30.9	43.6	45.3	45.6	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
IV 18000	30.9	43.6	45.3	45.6	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
IV 16000	31.1	43.9	45.6	46.0	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
IV 14000	31.7	44.8	46.0	47.0	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 12000	33.4	47.8	49.6	50.1	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 10000	35.3	50.7	52.6	53.1	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
IV 9000	35.7	52.0	54.2	54.8	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IV 8000	37.3	54.7	57.3	58.1	58.6	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 7000	37.8	56.6	59.4	60.4	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 6000	38.0	57.3	60.2	61.2	61.7	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 5000	38.3	58.8	61.8	62.8	63.4	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 4500	39.0	59.7	63.0	64.0	64.6	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 4000	40.0	61.9	65.3	66.5	67.2	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 3500	40.6	62.6	67.5	68.2	69.3	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 3000	41.7	66.0	70.3	71.7	72.8	73.2	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 2500	43.1	68.7	73.5	75.1	76.2	76.6	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 2000	44.7	72.1	77.4	79.1	80.3	80.8	81.1	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 1800	44.9	73.1	78.4	80.3	81.5	82.1	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 1500	45.0	74.8	80.5	82.6	84.3	85.0	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 1200	45.3	75.8	82.2	85.0	87.2	88.0	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 1000	45.3	76.6	83.2	86.5	89.0	89.9	90.5	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 900	45.5	76.9	83.8	87.2	89.8	90.7	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 800	45.5	77.0	84.1	87.8	90.6	91.8	92.7	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 700	45.6	77.3	84.5	88.6	91.6	93.0	94.1	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 600	45.6	77.5	84.9	89.0	92.5	94.0	95.8	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 500	45.6	77.6	85.2	89.8	92.9	94.4	96.4	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 400	45.6	77.6	85.3	89.4	93.2	94.9	97.0	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 300	45.6	77.6	85.3	89.5	93.3	95.0	97.2	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 200	45.6	77.6	85.3	89.5	93.3	95.0	97.3	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 100	45.6	77.6	85.3	89.5	93.3	95.0	97.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 0	45.6	77.6	85.3	89.5	93.3	95.0	97.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS 1908

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

12841  
STATION

WILMINGTON OHIO/CLINTON CU AFB

44-49,53-68  
YEARS

APR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	20,3	24,0	24,4	24,4	24,6	24,6	24,6	24,6	24,6	24,6	24,6	24,6	24,6	24,6	24,6	24,6
≥ 20000	34,2	43,0	43,6	43,7	43,8	43,8	43,8	43,8	43,8	43,8	43,8	43,8	43,8	43,8	43,8	43,8
IV 18000	34,2	43,0	43,6	43,7	43,8	43,8	43,8	43,8	43,8	43,8	43,8	43,8	43,8	43,8	43,8	43,8
IV 16000	34,3	43,2	43,8	43,9	44,0	44,0	44,0	44,0	44,0	44,0	44,0	44,0	44,0	44,0	44,0	44,0
IV 14000	34,8	43,6	44,3	44,4	44,7	44,7	44,7	44,7	44,7	44,7	44,7	44,7	44,7	44,7	44,7	44,7
IV 12000	36,8	46,6	47,3	47,4	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5	47,5
IV 10000	38,8	49,3	50,3	50,3	50,7	50,7	50,7	50,7	50,7	50,7	50,7	50,7	50,7	50,7	50,7	50,7
IV 9000	39,1	50,1	51,0	51,2	51,4	51,4	51,4	51,4	51,4	51,4	51,4	51,4	51,4	51,4	51,4	51,4
IV 8000	40,2	52,3	53,4	53,6	53,8	53,8	53,8	53,8	53,8	53,8	53,8	53,8	53,8	53,8	53,8	53,8
IV 7000	40,7	53,6	54,7	55,0	55,1	55,1	55,1	55,1	55,1	55,1	55,1	55,1	55,1	55,1	55,1	55,1
IV 6000	40,9	54,3	55,3	55,5	56,0	56,0	56,0	56,1	56,1	56,1	56,1	56,1	56,1	56,1	56,1	56,1
IV 5000	42,4	56,6	58,2	58,3	58,8	58,8	58,8	58,9	58,9	58,9	58,9	58,9	58,9	58,9	58,9	58,9
IV 4500	43,7	58,3	60,0	60,3	60,8	60,8	60,8	60,9	60,9	60,9	60,9	60,9	60,9	60,9	60,9	60,9
IV 4000	46,0	62,6	64,7	65,1	65,4	65,4	65,4	65,5	65,5	65,5	65,5	65,5	65,5	65,5	65,5	65,5
IV 3500	47,9	63,9	67,9	68,3	68,8	68,8	68,8	68,9	68,9	68,9	68,9	68,9	68,9	68,9	68,9	68,9
IV 3000	49,9	69,7	72,3	73,1	73,7	73,7	73,8	74,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0
IV 2500	51,3	73,2	76,3	77,4	78,1	78,1	78,3	78,5	78,5	78,5	78,5	78,5	78,5	78,5	78,5	78,5
IV 2000	53,6	77,4	81,1	82,0	82,9	83,0	83,3	83,5	83,5	83,5	83,5	83,5	83,5	83,5	83,5	83,5
IV 1800	53,8	78,4	82,3	83,3	84,2	84,4	84,7	84,9	84,9	84,9	84,9	84,9	84,9	84,9	84,9	84,9
IV 1500	54,6	80,4	83,0	86,2	87,6	87,8	88,3	88,5	88,5	88,5	88,5	88,5	88,5	88,5	88,5	88,5
IV 1200	54,8	81,3	86,9	88,3	90,1	90,3	90,8	91,0	91,0	91,0	91,1	91,1	91,1	91,1	91,1	91,1
IV 1000	54,8	81,6	87,3	89,6	91,3	91,3	92,1	92,3	92,3	92,3	92,4	92,4	92,4	92,4	92,4	92,4
IV 900	54,9	81,9	88,1	90,3	92,0	92,4	93,1	93,4	93,4	93,4	93,6	93,6	93,6	93,6	93,6	93,6
IV 800	54,9	82,1	88,4	90,9	92,7	93,1	94,0	94,3	94,3	94,3	94,6	94,6	94,6	94,6	94,6	94,6
IV 700	54,9	82,2	88,6	91,3	93,7	94,3	95,3	95,6	95,6	95,6	96,0	96,0	96,0	96,0	96,0	96,0
IV 600	54,9	82,4	88,9	92,1	94,6	95,3	96,3	97,3	97,3	97,3	97,8	97,8	97,8	97,8	97,8	97,8
IV 500	54,9	82,4	89,0	92,3	94,9	95,6	97,2	98,2	98,2	98,2	98,7	98,7	98,7	98,7	98,7	98,7
IV 400	54,9	82,4	89,0	92,4	95,0	95,8	97,6	98,6	98,6	98,6	99,3	99,4	99,4	99,4	99,4	99,4
IV 300	54,9	82,4	89,0	92,4	95,0	95,8	97,7	98,9	98,9	98,9	99,8	99,7	99,7	99,7	99,7	99,7
IV 200	54,9	82,4	89,0	92,4	95,0	95,8	97,7	98,9	98,9	98,9	99,8	99,7	99,7	99,7	99,7	99,7
IV 100	54,9	82,4	89,0	92,4	95,0	95,8	97,7	98,9	98,9	98,9	99,8	99,7	99,7	99,7	99,7	99,7
IV 0	54,9	82,4	89,0	92,4	95,0	95,8	97,7	98,9	98,9	98,9	99,8	99,7	99,7	99,7	99,7	99,7

TOTAL NUMBER OF OBSERVATIONS 1917

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CU AFB  
STATION NAME

44w49.53w68  
YEARS

APR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	20.9	24.8	25.1	25.1	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
IV 20000	25.8	24.4	25.0	25.2	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
IV 18000	25.4	24.3	25.1	25.3	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
IV 16000	26.0	24.7	25.2	25.5	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
IV 14000	26.3	25.2	25.9	26.1	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4
IV 12000	28.4	26.0	26.8	26.9	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4
IV 10000	40.3	31.6	32.6	32.9	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
IV 9000	41.0	32.6	33.6	33.9	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
IV 8000	41.7	33.9	35.1	35.4	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
IV 7000	42.2	35.2	36.3	36.8	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
IV 6000	42.3	36.2	37.5	37.8	38.2	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
IV 5000	44.7	39.7	41.4	41.8	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 4500	46.7	42.8	44.5	44.9	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 4000	49.6	47.2	49.0	49.3	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
IV 3500	51.4	50.0	52.3	52.8	53.3	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
IV 3000	53.2	53.2	55.7	56.3	57.2	57.4	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 2500	54.9	58.1	61.4	62.1	63.1	63.4	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 2000	56.0	60.3	64.3	65.2	66.3	66.8	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 1800	56.1	60.9	65.0	65.8	67.1	67.4	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 1500	56.3	62.3	67.1	68.2	69.8	70.3	70.6	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 1200	56.9	63.1	68.3	69.1	71.9	72.4	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 1000	57.0	63.3	68.8	69.8	72.7	73.3	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 900	57.0	63.6	69.0	70.0	73.2	73.8	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 800	57.0	63.6	69.0	70.1	73.2	73.8	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 700	57.0	63.7	69.2	70.2	73.6	74.3	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 600	57.0	63.7	69.2	70.2	73.6	74.3	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 500	57.0	63.7	69.2	70.2	73.6	74.3	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 400	57.0	63.7	69.2	70.2	73.6	74.3	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 300	57.0	63.7	69.2	70.2	73.6	74.3	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 200	57.0	63.7	69.2	70.2	73.6	74.3	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 100	57.0	63.7	69.2	70.2	73.6	74.3	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 0	57.0	63.7	69.2	70.2	73.6	74.3	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1

TOTAL NUMBER OF OBSERVATIONS 1964



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFH  
STATION NAME

44-49,53-68  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	22,2	30,3	30,9	31,1	31,3	31,3	31,3	31,3	31,3	31,3	31,3	31,3	31,3	31,3	31,3	31,3
≥ 20000	32,4	47,9	48,7	49,0	49,3	49,3	49,3	49,3	49,3	49,3	49,3	49,3	49,3	49,3	49,3	49,3
IV 18000	35,4	48,2	49,0	49,3	49,8	49,8	49,9	49,9	49,9	49,9	49,9	49,9	49,9	49,9	49,9	49,9
IV 16000	35,4	48,2	49,1	49,4	49,9	49,9	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0
IV 14000	36,0	49,4	50,3	50,6	51,1	51,1	51,1	51,1	51,1	51,1	51,1	51,1	51,1	51,1	51,1	51,1
IV 12000	37,3	51,7	52,0	52,3	54,0	54,0	54,1	54,1	54,1	54,1	54,1	54,1	54,1	54,1	54,1	54,1
IV 10000	39,8	55,7	57,2	57,8	58,5	58,5	58,5	58,5	58,5	58,5	58,5	58,5	58,5	58,5	58,5	58,5
IV 9000	40,1	56,5	58,3	58,9	59,6	59,6	59,6	59,6	59,6	59,6	59,6	59,6	59,6	59,6	59,6	59,6
IV 8000	41,2	59,4	61,7	62,3	63,2	63,3	63,3	63,3	63,3	63,3	63,3	63,3	63,3	63,3	63,3	63,3
IV 7000	42,3	61,7	64,0	64,8	65,5	65,5	65,6	65,6	65,6	65,6	65,6	65,6	65,6	65,6	65,6	65,6
IV 6000	43,2	63,0	65,4	66,2	67,0	67,1	67,1	67,1	67,1	67,1	67,1	67,1	67,1	67,1	67,1	67,1
IV 5000	44,3	65,0	68,9	69,7	70,4	70,5	70,7	70,7	70,7	70,7	70,7	70,7	70,7	70,7	70,7	70,7
IV 4500	45,3	67,9	70,9	71,9	72,8	72,9	73,0	73,0	73,0	73,0	73,0	73,0	73,0	73,0	73,0	73,0
IV 4000	46,9	71,3	74,6	75,6	76,3	76,6	76,8	76,8	76,8	76,8	76,8	76,8	76,8	76,8	76,8	76,8
IV 3500	48,1	73,4	77,2	78,3	79,2	79,3	79,4	79,4	79,4	79,4	79,4	79,4	79,4	79,4	79,4	79,4
IV 3000	48,9	75,7	79,6	81,0	82,1	82,2	82,3	82,3	82,3	82,3	82,3	82,3	82,3	82,3	82,3	82,3
IV 2500	49,9	79,4	82,6	84,1	85,3	85,4	85,6	85,6	85,6	85,6	85,6	85,6	85,6	85,6	85,6	85,6
IV 2000	50,2	80,6	83,8	85,2	86,8	87,2	87,4	87,4	87,4	87,4	87,4	87,4	87,4	87,4	87,4	87,4
IV 1800	50,3	81,0	85,9	87,8	89,6	89,9	90,1	90,2	90,2	90,2	90,2	90,2	90,2	90,2	90,2	90,2
IV 1500	50,6	81,8	87,2	89,4	91,8	92,2	92,6	92,7	92,7	92,7	92,7	92,7	92,7	92,7	92,7	92,7
IV 1200	50,6	82,6	88,4	91,1	93,3	93,9	94,3	94,4	94,4	94,4	94,4	94,4	94,4	94,4	94,4	94,4
IV 1000	50,6	82,8	89,0	91,7	94,3	94,9	95,3	95,7	95,7	95,7	95,7	95,7	95,7	95,7	95,7	95,7
IV 900	50,6	82,8	89,2	92,0	94,9	95,6	96,3	96,5	96,5	96,5	96,5	96,5	96,5	96,5	96,5	96,5
IV 800	50,6	82,8	89,3	92,4	95,6	96,3	97,1	97,4	97,4	97,4	97,4	97,4	97,4	97,4	97,4	97,4
IV 700	50,6	82,8	89,3	92,3	95,8	96,7	97,6	97,9	97,9	97,9	97,9	97,9	97,9	97,9	97,9	97,9
IV 600	50,6	82,8	89,4	92,6	96,2	97,2	98,2	98,3	98,3	98,3	98,3	98,3	98,3	98,3	98,3	98,3
IV 500	50,6	82,8	89,4	92,7	96,4	97,4	98,4	98,8	98,8	98,8	98,8	98,8	98,8	98,8	98,8	98,8
IV 400	50,6	82,8	89,4	92,7	96,4	97,4	98,4	98,9	98,9	98,9	98,9	98,9	98,9	98,9	98,9	98,9
IV 300	50,6	82,8	89,4	92,7	96,4	97,4	98,5	99,0	99,0	99,0	99,0	99,0	99,0	99,0	99,0	99,0
IV 200	50,6	82,8	89,4	92,7	96,4	97,4	98,5	99,0	99,0	99,0	99,0	99,0	99,0	99,0	99,0	99,0
IV 100	50,6	82,8	89,4	92,7	96,4	97,4	98,5	99,0	99,0	99,0	99,0	99,0	99,0	99,0	99,0	99,0
0	50,6	82,8	89,4	92,7	96,4	97,4	98,5	99,0	99,0	99,0	99,0	99,0	99,0	99,0	99,0	99,0

TOTAL NUMBER OF OBSERVATIONS 1965

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

STATION  
19841

STATION NAME  
WILMINGTON OHIO/CLINTON CO AFB

44-49,53-08

YEARS

MONTH  
APR

2100-2300

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS LT.S.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	26,0	41,0	41,8	42,0	42,4	42,4	42,5	42,5	42,5	42,6	42,6	42,6	42,6	42,6	42,6	42,6
≥ 20000	34,7	52,1	54,5	54,6	55,1	55,1	55,2	55,2	55,2	55,3	55,3	55,3	55,3	55,3	55,3	55,3
IV 18000	34,9	52,3	54,7	54,8	55,2	55,2	55,3	55,3	55,3	55,4	55,4	55,4	55,4	55,4	55,4	55,4
IV 16000	34,9	52,3	54,7	54,8	55,2	55,2	55,3	55,3	55,3	55,4	55,4	55,4	55,4	55,4	55,4	55,4
IV 14000	35,2	54,5	55,8	56,2	56,7	56,7	56,8	56,8	56,8	56,9	56,9	56,9	56,9	56,9	56,9	56,9
IV 12000	37,0	56,8	58,1	58,5	59,1	59,1	59,2	59,2	59,2	59,3	59,3	59,3	59,3	59,3	59,3	59,3
IV 10000	38,6	59,8	61,1	61,6	62,2	62,2	62,3	62,3	62,3	62,4	62,4	62,4	62,4	62,4	62,4	62,4
IV 9000	39,3	60,7	62,1	62,7	63,2	63,2	63,3	63,3	63,3	63,4	63,4	63,4	63,4	63,4	63,4	63,4
IV 8000	40,7	62,7	65,2	65,8	66,5	66,5	66,6	66,6	66,6	66,8	66,8	66,8	66,8	66,8	66,8	66,8
IV 7000	41,7	63,2	67,0	67,7	68,3	68,3	68,5	68,5	68,5	68,6	68,6	68,6	68,6	68,6	68,6	68,6
IV 6000	42,2	66,8	68,6	69,3	70,2	70,2	70,4	70,4	70,4	70,5	70,5	70,5	70,5	70,5	70,5	70,5
IV 5000	43,2	68,7	70,9	71,6	72,6	72,6	72,7	72,7	72,7	72,8	72,8	72,8	72,8	72,8	72,8	72,8
IV 4500	43,9	70,8	73,1	73,9	75,0	75,0	75,2	75,2	75,2	75,3	75,3	75,3	75,3	75,3	75,3	75,3
IV 4000	44,8	72,5	75,5	76,3	77,8	77,7	77,9	77,9	77,9	78,0	78,0	78,0	78,0	78,0	78,0	78,0
IV 3500	45,9	74,9	78,4	79,3	80,8	80,9	81,1	81,1	81,1	81,2	81,2	81,2	81,2	81,2	81,2	81,2
IV 3000	46,0	76,8	80,5	81,5	83,1	83,3	83,5	83,5	83,5	83,6	83,6	83,6	83,6	83,6	83,6	83,6
IV 2500	46,7	79,1	82,9	84,2	85,8	85,9	86,2	86,2	86,2	86,3	86,3	86,3	86,3	86,3	86,3	86,3
IV 2000	47,3	81,9	85,9	87,3	89,3	89,4	89,7	89,7	89,7	89,9	89,9	89,9	89,9	89,9	89,9	89,9
IV 1800	47,3	82,0	86,1	87,6	89,3	89,7	90,0	90,1	90,1	90,2	90,3	90,3	90,3	90,3	90,3	90,3
IV 1500	47,4	82,1	87,6	89,4	91,4	91,6	91,9	92,0	92,0	92,1	92,2	92,2	92,2	92,2	92,2	92,2
IV 1200	47,4	83,8	88,4	90,8	93,1	93,4	93,8	94,0	94,0	94,1	94,1	94,1	94,1	94,1	94,1	94,1
IV 1000	47,4	84,3	89,1	91,8	94,1	94,4	94,8	95,0	95,0	95,1	95,2	95,2	95,2	95,2	95,2	95,2
IV 900	47,4	84,3	89,2	92,1	94,7	95,0	95,4	95,6	95,6	95,8	95,8	95,8	95,8	95,8	95,8	95,8
IV 800	47,5	84,7	89,3	92,4	95,3	95,7	96,1	96,2	96,2	96,4	96,4	96,4	96,4	96,4	96,4	96,4
IV 700	47,5	84,8	89,8	92,9	95,9	96,3	96,7	96,9	96,9	97,0	97,1	97,1	97,1	97,1	97,1	97,1
IV 600	47,5	84,8	90,0	93,2	96,6	97,1	97,6	97,9	97,9	98,1	98,1	98,1	98,1	98,1	98,1	98,1
IV 500	47,5	84,8	90,0	93,4	97,0	97,3	98,1	98,3	98,3	98,5	98,5	98,5	98,5	98,5	98,5	98,5
IV 400	47,5	84,8	90,0	93,5	97,2	97,7	98,4	98,9	98,9	99,1	99,1	99,1	99,1	99,1	99,1	99,1
IV 300	47,5	84,8	90,0	93,5	97,2	97,7	98,6	99,1	99,2	99,4	99,4	99,4	99,4	99,4	99,4	99,4
IV 200	47,5	84,8	90,0	93,5	97,2	97,7	98,6	99,1	99,2	99,4	99,4	99,4	99,4	99,4	99,4	99,4
IV 100	47,5	84,8	90,0	93,5	97,2	97,7	98,6	99,1	99,2	99,4	99,4	99,4	99,4	99,4	99,4	99,4
0	47,5	84,8	90,0	93,5	97,2	97,7	98,6	99,1	99,2	99,4	99,4	99,4	99,4	99,4	99,4	100,0

TOTAL NUMBER OF OBSERVATIONS 1953

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841 STATION WILMINGTON OHIO/CLINTON CW AFB 44-49, 53-68 YEARS APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼
NO CEILING	21.4	31.9	32.9	33.3	33.6	33.6	33.7	33.8	33.8	33.8	33.8	33.8	33.8	33.9	33.9
IV 20000	31.6	46.4	47.9	48.4	48.8	48.8	48.9	48.9	48.9	49.0	49.0	49.0	49.0	49.1	49.1
IV 18000	31.0	46.3	48.0	48.5	48.8	48.9	49.0	49.0	49.0	49.1	49.1	49.1	49.1	49.2	49.2
IV 16000	31.7	46.7	48.2	48.7	49.0	49.1	49.2	49.2	49.2	49.3	49.3	49.3	49.3	49.4	49.4
IV 14000	32.2	47.5	49.1	49.6	50.0	50.0	50.1	50.1	50.2	50.2	50.2	50.2	50.3	50.3	50.3
IV 12000	33.7	50.0	51.7	52.3	52.8	52.8	52.9	53.0	53.0	53.0	53.0	53.0	53.1	53.1	53.1
IV 10000	35.0	53.3	55.1	55.9	56.4	56.5	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.8	56.8
IV 9000	36.0	54.2	56.1	56.9	57.5	57.5	57.7	57.7	57.7	57.7	57.7	57.8	57.8	57.9	57.9
IV 8000	37.2	56.9	59.0	59.9	60.5	60.6	60.7	60.7	60.7	60.8	60.8	60.8	60.8	60.9	60.9
IV 7000	37.9	58.6	60.7	61.9	62.5	62.6	62.7	62.8	62.8	62.8	62.9	62.9	62.9	62.9	62.9
IV 6000	38.9	59.7	62.2	63.1	63.8	63.9	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.3	64.3
IV 5000	39.9	62.2	64.9	65.0	66.7	66.8	67.0	67.0	67.0	67.1	67.2	67.2	67.2	67.2	67.2
IV 4500	40.4	63.9	66.9	68.1	68.9	69.0	69.2	69.2	69.2	69.3	69.3	69.3	69.4	69.4	69.4
IV 4000	41.8	66.7	70.0	71.3	72.1	72.3	72.3	72.3	72.3	72.6	72.7	72.7	72.7	72.7	72.7
IV 3500	42.9	68.7	72.3	73.6	74.9	75.8	75.0	75.1	75.1	75.2	75.2	75.2	75.2	75.3	75.3
IV 3000	43.6	71.3	75.2	76.7	77.9	78.8	78.3	78.4	78.4	78.5	78.5	78.5	78.6	78.6	78.6
IV 2500	44.8	74.2	78.6	80.3	81.6	81.8	82.1	82.2	82.2	82.3	82.4	82.4	82.4	82.4	82.5
IV 2000	45.8	77.1	82.0	83.8	85.4	85.7	86.0	86.2	86.2	86.3	86.3	86.3	86.4	86.4	86.4
IV 1800	45.9	77.6	82.6	84.5	86.1	86.4	86.8	87.0	87.0	87.1	87.1	87.1	87.1	87.2	87.2
IV 1500	46.2	78.9	84.3	86.3	88.4	88.8	89.2	89.5	89.5	89.6	89.7	89.7	89.7	89.8	89.8
IV 1200	46.3	79.7	85.5	88.1	90.5	90.8	91.3	91.5	91.5	91.7	91.8	91.8	91.8	91.9	91.9
IV 1000	46.4	80.2	86.4	89.1	91.6	92.1	92.8	93.1	93.1	93.3	93.4	93.4	93.4	93.5	93.5
IV 900	46.4	80.3	86.7	89.7	92.3	92.8	93.5	93.9	93.9	94.2	94.2	94.2	94.3	94.3	94.3
IV 800	46.4	80.6	87.0	90.1	92.8	93.5	94.4	94.7	94.7	95.0	95.1	95.1	95.1	95.2	95.2
IV 700	46.4	80.8	87.2	90.3	93.4	94.2	95.2	95.6	95.6	95.9	96.0	96.0	96.0	96.1	96.1
IV 600	46.5	80.8	87.4	90.9	94.1	94.9	96.1	96.7	96.7	97.0	97.1	97.1	97.2	97.3	97.4
IV 500	46.5	80.9	87.6	91.1	94.5	95.4	96.8	97.5	97.5	98.0	98.1	98.1	98.2	98.3	98.3
IV 400	46.5	80.9	87.6	91.2	94.6	95.6	97.1	97.9	98.0	98.5	98.7	98.7	98.8	98.9	98.9
IV 300	46.5	81.0	87.7	91.3	94.8	95.7	97.3	98.2	98.3	98.9	99.1	99.1	99.3	99.4	99.4
IV 200	46.5	81.0	87.7	91.3	94.8	95.7	97.4	98.2	98.3	99.0	99.3	99.3	99.6	99.7	99.7
IV 100	46.5	81.0	87.7	91.3	94.8	95.7	97.4	98.3	98.3	99.0	99.3	99.3	99.6	99.8	99.8
IV 0	46.5	81.0	87.7	91.3	94.8	95.7	97.4	98.3	98.3	99.0	99.3	99.3	99.6	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 14750

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-49, 53-61, 63-68  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	33,9	50,4	51,9	52,7	53,1	53,1	53,1	53,2	53,2	53,4	53,4	53,4	53,4	53,4	53,4	53,9
IV 20000	38,6	58,7	60,4	61,3	61,8	61,8	62,0	62,1	62,1	62,4	62,4	62,4	62,4	62,4	62,5	62,9
IV 18000	38,6	58,7	60,4	61,3	61,8	61,8	62,0	62,1	62,1	62,4	62,4	62,4	62,4	62,4	62,5	62,9
IV 16000	38,6	58,6	60,4	61,4	61,9	62,0	62,1	62,2	62,2	62,3	62,3	62,3	62,3	62,3	62,3	62,6
IV 14000	39,0	59,7	61,4	62,3	62,9	62,9	63,0	63,2	63,2	63,5	63,5	63,5	63,5	63,5	63,5	63,6
IV 12000	40,2	61,7	63,6	64,7	65,7	65,3	65,4	65,6	65,6	65,9	65,9	65,9	65,9	65,9	65,9	66,0
IV 10000	41,6	64,5	66,6	67,8	68,7	68,5	68,6	68,7	68,7	69,0	69,0	69,0	69,0	69,0	69,1	69,1
IV 9000	41,6	65,0	67,1	68,4	68,9	69,0	69,1	69,2	69,2	69,5	69,5	69,5	69,5	69,5	69,6	69,6
IV 8000	42,0	67,0	69,3	70,6	71,2	71,2	71,4	71,6	71,6	71,9	71,9	71,9	71,9	71,9	72,0	72,0
IV 7000	43,3	69,1	71,7	73,1	73,8	73,8	74,1	74,2	74,2	74,5	74,5	74,5	74,5	74,5	74,6	74,6
IV 6000	43,5	70,5	73,2	74,7	75,6	75,6	75,9	76,0	76,0	76,3	76,3	76,3	76,3	76,3	76,4	76,4
IV 5000	44,1	72,3	75,3	77,9	78,9	79,0	79,2	79,4	79,4	79,7	79,7	79,7	79,7	79,7	79,8	79,8
IV 4500	44,2	74,3	77,7	79,3	80,4	80,5	80,8	80,9	80,9	81,2	81,2	81,2	81,2	81,2	81,3	81,3
IV 4000	44,7	76,0	79,5	81,3	82,2	82,3	82,5	82,7	82,7	83,0	83,0	83,0	83,0	83,0	83,1	83,1
IV 3500	44,9	77,2	80,7	82,7	83,7	83,8	84,1	84,2	84,2	84,5	84,5	84,5	84,5	84,5	84,6	84,6
IV 3000	45,0	79,2	83,1	85,2	86,3	86,4	86,7	86,9	86,9	87,1	87,1	87,1	87,1	87,1	87,2	87,3
IV 2500	45,8	80,8	84,9	87,3	88,5	88,7	89,0	89,2	89,2	89,5	89,5	89,5	89,5	89,5	89,6	89,6
IV 2000	46,0	81,8	86,0	88,6	90,0	90,2	90,5	90,7	90,7	91,0	91,0	91,0	91,0	91,0	91,1	91,1
IV 1800	46,1	82,0	86,3	88,8	90,3	90,6	91,0	91,2	91,2	91,5	91,5	91,5	91,5	91,5	91,6	91,6
IV 1500	46,2	82,7	87,1	89,3	91,3	91,6	92,0	92,2	92,2	92,5	92,5	92,5	92,5	92,5	92,6	92,6
IV 1200	46,4	83,1	87,6	90,7	92,3	92,6	93,0	93,2	93,2	93,5	93,5	93,5	93,5	93,5	93,6	93,6
IV 1000	46,4	83,4	88,2	91,3	93,1	93,3	93,7	93,9	93,9	94,2	94,2	94,2	94,2	94,2	94,3	94,3
IV 900	46,5	83,7	88,5	91,8	93,7	93,8	94,2	94,4	94,4	94,7	94,7	94,7	94,7	94,7	94,8	94,8
IV 800	46,5	84,1	89,1	92,3	94,2	94,4	95,1	95,3	95,3	95,6	95,6	95,6	95,6	95,6	95,7	95,7
IV 700	46,5	84,2	89,2	92,6	94,7	94,9	95,6	95,8	95,8	96,1	96,1	96,1	96,1	96,1	96,2	96,2
IV 600	46,5	84,3	89,3	92,9	95,0	95,0	96,4	96,5	96,5	97,0	97,0	97,0	97,0	97,0	97,1	97,1
IV 500	46,5	84,3	89,4	93,0	95,7	96,0	96,8	97,1	97,1	97,5	97,5	97,5	97,5	97,5	97,6	97,6
IV 400	46,5	84,3	89,4	93,0	95,7	96,0	96,8	97,1	97,1	97,5	97,5	97,5	97,5	97,5	97,6	97,6
IV 300	46,5	84,3	89,5	93,1	95,8	96,1	97,0	97,3	97,3	97,7	97,7	97,7	97,7	97,7	97,8	97,8
IV 200	46,5	84,3	89,5	93,1	95,8	96,1	97,0	97,3	97,3	97,7	97,7	97,7	97,7	97,7	97,8	97,8
IV 100	46,5	84,3	89,5	93,1	95,8	96,1	97,0	97,3	97,3	97,7	97,7	97,7	97,7	97,7	97,8	97,8
IV 0	46,5	84,3	89,5	93,1	95,8	96,1	97,0	97,3	97,3	97,7	97,7	97,7	97,7	97,7	97,8	97,8

TOTAL NUMBER OF OBSERVATIONS 1782

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

12841  
STATION

WILMINGTON OHIO/CLINTON CU AFB  
STATION NAME

44-47, 53-61, 64-68  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 0
NO CEILING	25.5	44.1	45.8	47.0	48.1	48.4	48.9	49.0	49.0	49.4	49.6	49.6	49.7	49.7	50.0
≥ 20000	29.6	50.9	52.8	54.1	55.3	55.7	56.3	56.5	56.5	56.9	57.1	57.1	57.3	57.7	58.0
IV 18000	29.6	50.9	52.9	54.2	55.3	55.8	56.3	56.6	56.6	57.0	57.2	57.2	57.4	57.7	58.0
IV 16000	29.6	50.9	52.9	54.2	55.4	55.9	56.4	56.6	56.6	57.0	57.2	57.2	57.5	57.8	58.1
IV 14000	29.9	51.7	53.7	55.0	56.2	56.7	57.2	57.5	57.5	57.9	58.0	58.0	58.3	58.6	58.9
IV 12000	30.9	53.2	55.3	56.7	58.0	58.5	59.0	59.2	59.2	59.6	59.8	59.8	60.0	60.4	60.7
IV 10000	32.3	56.2	58.3	59.9	61.1	61.6	62.1	62.3	62.3	62.8	62.9	62.9	63.2	63.5	63.8
IV 9000	32.6	56.9	59.1	60.7	61.9	62.4	62.9	63.2	63.2	63.6	63.8	63.8	64.0	64.3	64.6
IV 8000	33.8	59.0	61.4	63.1	64.3	64.9	65.5	65.9	65.9	66.4	66.5	66.5	66.8	67.1	67.4
IV 7000	34.3	61.2	64.2	66.1	67.6	68.1	68.8	69.1	69.1	69.6	69.8	69.8	70.0	70.4	70.7
IV 6000	34.4	62.0	65.0	66.9	68.5	69.0	69.7	70.0	70.0	70.5	70.7	70.7	70.9	71.3	71.6
IV 5000	35.1	64.3	67.7	69.7	71.4	72.0	72.7	73.0	73.0	73.5	73.7	73.7	74.0	74.3	74.6
IV 4500	35.2	65.3	68.9	70.9	72.8	73.4	74.1	74.4	74.4	75.0	75.1	75.1	75.4	75.7	76.0
IV 4000	35.3	67.2	70.8	73.1	74.9	75.5	76.3	76.6	76.6	77.1	77.3	77.3	77.5	77.9	78.2
IV 3500	36.0	68.4	72.2	74.6	76.5	77.2	78.0	78.3	78.3	78.8	79.0	79.0	79.2	79.6	79.8
IV 3000	36.4	70.4	74.3	77.0	79.1	79.8	80.6	80.9	80.9	81.4	81.6	81.6	81.9	82.2	82.5
IV 2500	36.3	71.8	76.3	79.1	81.6	82.3	83.3	83.6	83.6	84.2	84.4	84.4	84.6	85.0	85.3
IV 2000	36.6	73.0	77.8	80.8	83.6	84.4	85.3	85.8	85.8	86.4	86.6	86.6	86.9	87.2	87.6
IV 1800	36.8	73.3	78.2	81.2	84.1	84.9	86.0	86.4	86.4	87.0	87.2	87.2	87.4	87.8	88.2
IV 1500	36.9	73.8	78.2	82.3	85.3	86.2	87.3	87.7	87.7	88.3	88.5	88.5	88.7	89.1	89.5
IV 1200	37.2	74.6	80.1	83.4	86.6	87.4	88.6	89.0	89.0	89.5	89.8	89.8	90.0	90.4	90.7
IV 1000	37.3	75.3	81.0	84.2	87.7	88.6	89.7	90.1	90.1	90.7	90.9	90.9	91.2	91.6	91.9
IV 900	37.3	75.3	81.3	84.6	88.0	88.9	90.2	90.6	90.6	91.2	91.4	91.4	91.7	92.0	92.4
IV 800	37.3	75.7	81.7	85.2	88.7	89.6	91.0	91.5	91.5	92.2	92.3	92.3	92.6	93.0	93.3
IV 700	37.3	76.0	82.0	85.5	89.2	90.1	91.7	92.1	92.1	92.9	93.0	93.0	93.3	93.7	94.0
IV 600	37.3	76.3	82.6	86.3	90.2	91.2	93.0	93.6	93.6	94.3	94.6	94.6	95.0	95.3	95.7
IV 500	37.3	76.3	82.7	86.6	90.7	91.8	93.8	94.3	94.3	95.2	95.5	95.5	95.9	96.2	96.6
IV 400	37.3	76.5	82.7	86.6	90.9	92.2	94.3	95.2	95.2	96.2	96.5	96.5	96.8	97.2	97.5
IV 300	37.3	76.5	82.9	86.7	91.3	92.6	94.9	95.9	95.9	97.2	97.2	97.2	97.7	98.1	98.5
IV 200	37.3	76.5	82.9	86.7	91.4	92.6	95.1	96.2	96.2	97.2	97.6	97.6	98.2	98.6	98.9
IV 100	37.3	76.5	82.9	86.7	91.4	92.6	95.1	96.2	96.2	97.3	97.7	97.7	98.4	98.9	99.3
IV 0	37.3	76.5	82.9	86.7	91.4	92.6	95.1	96.2	96.2	97.3	97.7	97.7	98.4	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1697

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-49, 53-61, 63-68  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING ≥ 20000	21.9 29.0	33.2 44.7	34.9 47.1	35.7 48.3	36.6 49.8	36.8 50.1	37.0 50.6	37.2 50.7	37.3 50.9	37.4 51.0	37.4 51.1	37.4 51.1	37.5 51.3	37.5 51.3	37.5 51.5	37.5 51.5
IV 18000	29.2 29.2	44.9 45.1	47.3 47.3	48.5 48.7	50.0 50.2	50.7 50.4	50.9 51.0	51.1 51.1	51.2 51.3	51.2 51.4	51.2 51.5	51.2 51.5	51.3 51.7	51.3 51.7	51.6 51.9	51.7 51.9
IV 14000	29.3 31.0	45.3 48.1	47.9 50.8	49.2 52.2	50.7 53.8	51.0 54.1	51.5 54.6	51.7 54.8	51.9 54.9	52.0 55.1	52.0 55.1	52.0 55.1	52.3 55.4	52.3 55.4	52.5 55.5	52.5 55.5
IV 10000	33.3 33.8	51.8 52.0	54.9 56.2	56.3 57.9	58.1 59.6	58.4 59.9	58.9 60.4	59.1 60.6	59.3 60.8	59.4 60.9	59.4 60.9	59.4 60.9	59.7 61.2	59.7 61.2	59.8 61.3	59.9 61.4
IV 8000	35.1 36.0	53.2 57.4	58.8 61.3	60.7 62.4	62.5 65.2	62.9 65.6	63.3 66.6	63.7 66.6	63.9 66.8	64.0 66.9	64.0 66.9	64.0 66.9	64.3 67.2	64.3 67.2	64.4 67.3	64.5 67.5
IV 6000	36.4 37.0	58.4 60.0	62.3 64.3	64.6 66.6	66.4 68.6	66.9 69.1	67.7 70.0	68.0 70.2	68.1 70.3	68.2 70.4	68.3 70.5	68.3 70.5	68.6 71.2	68.6 71.2	68.7 71.3	68.9 71.4
IV 4500	37.3 38.1	60.7 62.9	65.3 67.8	67.3 70.1	69.6 72.6	70.4 73.5	71.3 74.6	71.6 74.9	71.8 75.1	72.0 75.3	72.2 75.5	72.2 75.5	72.6 75.8	72.6 75.8	72.6 75.9	72.7 76.0
IV 3500	38.3 38.6	63.7 64.7	68.9 70.0	71.2 72.4	73.7 75.1	74.6 76.0	75.8 77.3	76.2 77.8	76.4 77.9	76.6 78.2	76.8 78.3	76.8 78.3	77.0 78.6	77.0 78.6	77.2 78.7	77.3 78.9
IV 2500	39.3 39.9	66.2 68.0	71.8 73.8	74.4 76.4	77.2 79.3	78.1 80.4	79.3 81.9	80.0 82.4	80.1 82.6	80.4 83.1	80.6 83.2	80.6 83.2	80.9 83.6	80.9 83.6	81.0 83.7	81.2 83.8
IV 1800	40.0 40.3	68.4 69.5	74.2 75.3	76.7 78.2	79.7 81.3	80.8 82.4	82.3 84.3	82.8 85.0	82.9 85.1	83.4 85.7	83.6 85.9	83.6 85.9	83.9 86.2	83.9 86.2	84.0 86.3	84.2 86.5
IV 1200	40.3 40.7	70.1 71.2	76.4 77.5	78.9 80.9	81.1 83.6	82.3 84.9	83.2 85.7	83.9 86.7	84.2 86.9	84.7 87.6	84.9 87.9	84.9 87.9	85.2 90.3	85.2 90.3	85.3 90.4	85.5 90.6
IV 900	40.9 40.9	71.7 72.0	78.3 78.7	81.8 82.2	83.3 86.2	84.3 87.3	85.9 89.7	86.7 90.6	87.0 91.0	87.7 91.6	87.9 91.6	87.9 91.6	88.2 92.3	88.2 92.3	88.3 92.6	88.5 92.8
IV 700	40.9 40.9	72.1 72.4	79.1 79.5	82.1 82.2	84.1 87.7	85.6 89.1	87.0 91.8	87.9 92.9	88.2 93.4	88.7 94.2	88.9 94.5	88.9 94.5	89.3 95.1	89.3 95.1	89.3 95.2	89.4 95.4
IV 500	40.9 40.9	72.4 72.6	79.6 79.7	83.4 83.7	85.0 88.5	86.0 90.2	87.4 93.2	88.6 94.9	89.1 95.4	89.6 96.3	89.9 97.0	89.9 97.0	90.3 97.6	90.3 97.6	90.4 97.8	90.6 98.0
IV 300	41.0 41.0	72.7 72.7	79.9 79.9	83.9 83.9	85.9 88.9	87.0 90.6	88.3 93.8	89.3 95.0	89.8 96.0	90.4 97.3	90.9 98.0	90.9 98.0	91.3 98.7	91.3 98.7	91.3 98.9	91.7 99.2
IV 100	41.0 41.0	72.7 72.7	79.9 79.9	83.9 83.9	85.9 88.9	87.0 90.6	88.3 93.8	89.3 95.0	89.8 96.0	90.4 97.3	90.9 98.0	90.9 98.0	91.3 98.7	91.3 98.7	91.3 98.9	91.7 99.6

TOTAL NUMBER OF OBSERVATIONS 1782

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-49, 53-68  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (L. S. T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	27,2	33,5	34,1	34,3	34,4	34,4	34,4	34,4	34,4	34,4	34,4	34,4	34,4	34,4	34,4	34,4
≥ 20000	40,4	50,9	51,8	52,1	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2
≥ 18000	40,4	50,9	51,8	52,1	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2
≥ 16000	40,4	50,9	51,8	52,1	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2
≥ 14000	40,4	50,9	51,8	52,1	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2
≥ 12000	40,4	50,9	51,8	52,1	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2
≥ 10000	40,4	50,9	51,8	52,1	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2
≥ 9000	40,4	50,9	51,8	52,1	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2
≥ 8000	40,4	50,9	51,8	52,1	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2
≥ 7000	40,4	50,9	51,8	52,1	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2
≥ 6000	40,4	50,9	51,8	52,1	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2
≥ 5000	40,4	50,9	51,8	52,1	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2
≥ 4500	40,4	50,9	51,8	52,1	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2
≥ 4000	40,4	50,9	51,8	52,1	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2
≥ 3500	40,4	50,9	51,8	52,1	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2
≥ 3000	40,4	50,9	51,8	52,1	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2
≥ 2500	40,4	50,9	51,8	52,1	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2
≥ 2000	40,4	50,9	51,8	52,1	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2
≥ 1800	40,4	50,9	51,8	52,1	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2
≥ 1500	40,4	50,9	51,8	52,1	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2
≥ 1200	40,4	50,9	51,8	52,1	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2
≥ 1000	40,4	50,9	51,8	52,1	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2
≥ 900	40,4	50,9	51,8	52,1	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2
≥ 800	40,4	50,9	51,8	52,1	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2
≥ 700	40,4	50,9	51,8	52,1	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2
≥ 600	40,4	50,9	51,8	52,1	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2
≥ 500	40,4	50,9	51,8	52,1	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2
≥ 400	40,4	50,9	51,8	52,1	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2
≥ 300	40,4	50,9	51,8	52,1	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2
≥ 200	40,4	50,9	51,8	52,1	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2
≥ 100	40,4	50,9	51,8	52,1	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2
≥ 0	40,4	50,9	51,8	52,1	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2	52,2

TOTAL NUMBER OF OBSERVATIONS 1960

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13641  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-49,53-06  
YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼
NO CEILING	24.8	28.1	28.2	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 20000	39.3	46.5	46.8	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 18000	39.6	46.9	47.2	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 16000	39.7	47.0	47.4	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 14000	40.3	47.7	48.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 12000	41.3	48.3	48.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 10000	43.8	52.5	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 9000	44.0	53.4	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 8000	44.3	54.6	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 7000	44.6	55.2	55.9	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 6000	45.0	56.0	56.7	57.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 5000	46.7	58.6	59.4	59.8	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 4500	48.0	60.4	61.2	61.5	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 4000	51.5	64.9	65.7	66.0	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 3500	54.2	68.8	69.8	70.2	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 3000	56.9	73.0	74.4	74.9	75.4	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 2500	60.8	78.8	80.5	81.0	81.8	81.8	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 2000	62.5	82.2	84.2	85.0	85.9	86.2	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 1800	62.9	83.1	85.1	86.1	86.9	87.2	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 1500	63.3	83.3	87.8	89.1	90.1	90.6	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 1200	65.8	87.2	90.2	91.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1000	63.9	88.0	91.2	92.8	94.1	95.7	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 900	64.0	88.1	91.3	93.0	94.4	95.0	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 800	64.1	88.4	91.7	93.9	95.5	96.2	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 700	64.1	88.6	92.0	94.3	96.0	96.9	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 600	64.1	89.0	92.6	95.0	96.9	97.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 500	64.1	89.2	92.8	95.2	97.1	98.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	64.1	89.2	92.8	95.2	97.1	98.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	64.1	89.2	92.8	95.2	97.1	98.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	64.1	89.2	92.8	95.2	97.1	98.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	64.1	89.2	92.8	95.2	97.1	98.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	64.1	89.2	92.8	95.2	97.1	98.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 1973



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28601

# CEILING VERSUS VISIBILITY

12841 MILMINGTON OHIO/CLINTON CU AFB

44-48, 53-68

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY STATUTE MILES.															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	> 0	≥ 0	
NO CEILING	25.3	29.3	29.4	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	
IV 20000	41.8	50.5	51.0	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	
IV 18000	41.9	50.6	51.2	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	
IV 16000	41.9	50.7	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	
IV 14000	42.8	51.6	52.3	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	
IV 12000	44.3	52.6	54.2	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	
IV 10000	46.2	56.3	57.1	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	
IV 9000	46.3	57.3	57.9	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	
IV 8000	47.7	59.3	60.2	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	
IV 7000	48.4	61.2	61.9	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	
IV 6000	49.0	62.4	63.3	64.0	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	
IV 5000	50.0	64.9	65.8	66.9	66.9	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	
IV 4500	52.4	67.3	68.4	69.2	69.5	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	
IV 4000	53.2	71.7	72.0	73.9	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	
IV 3500	57.5	76.0	77.3	78.7	79.2	79.2	79.3	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.4	
IV 3000	59.3	79.4	81.3	82.7	83.2	83.2	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	
IV 2500	61.6	82.3	83.8	87.4	88.0	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	
IV 2000	62.3	83.3	86.3	90.2	90.8	91.0	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	
IV 1800	62.3	83.6	88.8	90.7	91.3	91.3	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	
IV 1500	62.9	87.2	90.4	92.3	93.2	93.6	93.6	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	
IV 1200	63.2	88.2	91.6	93.9	94.7	95.1	95.1	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	
IV 1000	63.3	88.6	92.3	95.1	96.1	96.3	96.7	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	
IV 900	63.3	89.0	92.3	95.3	96.4	96.9	97.2	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	
IV 800	63.3	89.1	92.7	95.3	96.8	97.3	98.0	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	
IV 700	63.3	89.3	93.1	96.0	97.3	98.1	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	
IV 600	63.3	89.3	93.2	96.2	97.6	98.4	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	
IV 500	63.3	89.3	93.2	96.3	97.8	98.6	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
IV 400	63.3	89.3	93.3	96.3	97.8	98.6	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
IV 300	63.3	89.3	93.3	96.3	97.8	98.6	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
IV 200	63.3	89.3	93.3	96.3	97.8	98.6	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
IV 100	63.3	89.3	93.3	96.3	97.8	98.6	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
IV 0	63.3	89.3	93.3	96.3	97.8	98.6	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	

TOTAL NUMBER OF OBSERVATIONS 2034

DATA PROCESSING DIVISION  
ETAC, USAF  
ASREVICLE, N, C, 28801

# CEILING VERSUS VISIBILITY

13841

WILMINGTON OHIO/CLINTON CW AFB

44-49,53-68

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS U.T.

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .75	≥ .5	≥ .4	≥ .3	≥ .2	≥ 0
NO CEILING	28.0	35.5	35.9	36.2	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
≥ 20000	44.0	56.6	57.4	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 18000	44.2	56.9	57.7	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 16000	44.2	57.0	57.9	58.3	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 14000	45.1	58.5	59.4	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 12000	46.6	60.7	61.8	62.0	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 10000	48.8	64.1	65.1	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 9000	48.8	64.1	66.2	67.0	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 8000	50.9	66.7	70.0	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 7000	51.6	71.1	72.8	73.7	74.0	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 6000	52.1	72.5	74.3	75.2	75.6	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 5000	53.6	73.1	77.1	78.2	78.6	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 4000	54.4	76.6	78.8	79.9	80.3	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 3500	55.4	79.2	81.6	82.7	83.3	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 3000	56.2	81.2	83.8	85.0	85.7	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 2500	57.2	82.4	86.0	87.0	88.4	88.7	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 2000	58.0	85.3	88.6	90.2	91.1	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1800	58.3	86.6	90.2	91.7	92.8	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1500	58.4	87.4	91.2	92.9	94.3	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 1200	58.4	87.7	91.5	93.3	94.9	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1000	58.4	87.8	91.7	93.6	95.3	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 900	58.4	87.8	91.7	93.6	95.3	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 800	58.4	87.8	91.7	93.6	95.3	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 700	58.4	87.8	91.7	93.6	95.3	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 600	58.4	87.8	91.7	93.6	95.3	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 500	58.4	87.8	91.7	93.6	95.3	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 400	58.4	87.8	91.7	93.6	95.3	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 300	58.4	87.8	91.7	93.6	95.3	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 200	58.4	87.8	91.7	93.6	95.3	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 100	58.4	87.8	91.7	93.6	95.3	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 0	58.4	87.8	91.7	93.6	95.3	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS

2031

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

12841 WILMINGTON OHIO/CLINTON CO AFB

44-49, 53-68

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	30.9	30.0	51.5	51.8	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 20000	34.5	62.4	64.1	64.5	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 18000	44.5	62.5	64.2	64.6	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 16000	44.5	62.6	64.3	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 14000	44.7	63.7	65.4	65.9	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 12000	45.9	65.0	66.9	67.4	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 10000	46.9	68.2	70.2	70.9	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 9000	47.2	68.8	70.9	71.6	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 8000	48.0	71.3	73.7	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 7000	50.0	74.0	76.4	77.5	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 6000	50.9	75.6	78.2	79.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 5000	51.5	77.5	80.3	82.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 4500	52.2	79.2	82.3	83.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 4000	52.8	81.3	84.7	86.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 3500	53.0	82.4	86.2	87.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3000	53.6	83.7	87.5	89.4	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2500	54.2	85.4	89.4	91.4	92.7	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 2000	54.6	86.6	90.8	93.1	94.6	94.6	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1800	54.9	86.7	90.9	93.2	94.7	94.7	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1500	54.7	87.4	91.7	94.0	95.6	95.6	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1200	54.7	87.6	92.0	94.4	96.0	96.0	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1000	54.7	87.8	92.2	94.6	96.6	96.6	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 900	54.7	87.9	92.3	94.9	96.9	96.9	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 800	54.7	88.0	92.7	95.2	97.3	97.3	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 700	54.7	88.1	92.8	95.5	97.4	97.4	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	54.7	88.2	93.0	95.6	98.0	98.0	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 500	54.7	88.3	93.2	95.9	98.4	98.4	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400	54.7	88.3	93.2	96.0	98.5	98.5	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	54.7	88.3	93.2	96.0	98.5	98.5	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	54.7	88.3	93.2	96.0	98.5	98.5	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	54.7	88.3	93.2	96.0	98.5	98.5	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0	54.7	88.3	93.2	96.0	98.5	98.5	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 2022

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841 WILMINGTON OHIO/CLINTON CO AFB

44-49-53-68

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY STATUTE MILES:														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼
NO CEILING	28.0	37.8	38.7	39.2	39.5	39.5	39.6	39.7	39.7	39.8	39.8	39.8	39.8	39.8	39.9
≥ 20000	38.7	32.7	34.0	34.6	35.1	35.2	35.3	35.4	35.4	35.5	35.5	35.5	35.5	35.6	35.7
IV 18000	38.8	32.9	34.2	34.8	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
IV 16000	38.9	33.0	34.3	34.9	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
IV 14000	39.3	33.9	35.2	35.9	36.4	36.4	36.6	36.7	36.7	36.8	36.8	36.8	36.8	36.9	37.0
IV 12000	40.6	35.9	37.2	37.9	38.4	38.4	38.7	38.7	38.8	38.8	38.9	38.9	38.9	39.0	39.1
IV 10000	42.4	39.0	40.5	41.3	41.8	41.9	42.1	42.1	42.2	42.2	42.3	42.3	42.3	42.4	42.5
IV 9000	42.9	39.8	41.4	42.2	42.8	42.9	43.0	43.1	43.1	43.2	43.2	43.2	43.3	43.4	43.4
IV 8000	43.9	40.1	41.9	42.7	43.4	43.5	43.7	43.8	43.8	43.9	43.9	44.0	44.0	44.1	44.1
IV 7000	44.7	40.1	42.0	42.8	43.6	43.7	43.8	43.9	43.9	44.0	44.0	44.1	44.1	44.2	44.2
IV 6000	45.1	40.1	42.2	43.0	43.8	43.9	44.0	44.1	44.1	44.2	44.2	44.3	44.3	44.4	44.4
IV 5000	46.2	40.1	42.2	43.0	43.8	43.9	44.0	44.1	44.1	44.2	44.2	44.3	44.3	44.4	44.4
IV 4500	46.9	40.1	42.2	43.0	43.8	43.9	44.0	44.1	44.1	44.2	44.2	44.3	44.3	44.4	44.4
IV 4000	48.2	40.1	42.2	43.0	43.8	43.9	44.0	44.1	44.1	44.2	44.2	44.3	44.3	44.4	44.4
IV 3500	49.2	40.1	42.2	43.0	43.8	43.9	44.0	44.1	44.1	44.2	44.2	44.3	44.3	44.4	44.4
IV 3000	50.9	40.1	42.2	43.0	43.8	43.9	44.0	44.1	44.1	44.2	44.2	44.3	44.3	44.4	44.4
IV 2500	51.7	40.1	42.2	43.0	43.8	43.9	44.0	44.1	44.1	44.2	44.2	44.3	44.3	44.4	44.4
IV 2000	52.5	40.1	42.2	43.0	43.8	43.9	44.0	44.1	44.1	44.2	44.2	44.3	44.3	44.4	44.4
IV 1800	52.6	40.1	42.2	43.0	43.8	43.9	44.0	44.1	44.1	44.2	44.2	44.3	44.3	44.4	44.4
IV 1500	52.6	40.1	42.2	43.0	43.8	43.9	44.0	44.1	44.1	44.2	44.2	44.3	44.3	44.4	44.4
IV 1200	53.1	40.1	42.2	43.0	43.8	43.9	44.0	44.1	44.1	44.2	44.2	44.3	44.3	44.4	44.4
IV 1000	53.2	40.1	42.2	43.0	43.8	43.9	44.0	44.1	44.1	44.2	44.2	44.3	44.3	44.4	44.4
IV 900	53.3	40.1	42.2	43.0	43.8	43.9	44.0	44.1	44.1	44.2	44.2	44.3	44.3	44.4	44.4
IV 800	53.3	40.1	42.2	43.0	43.8	43.9	44.0	44.1	44.1	44.2	44.2	44.3	44.3	44.4	44.4
IV 700	53.3	40.1	42.2	43.0	43.8	43.9	44.0	44.1	44.1	44.2	44.2	44.3	44.3	44.4	44.4
IV 600	53.3	40.1	42.2	43.0	43.8	43.9	44.0	44.1	44.1	44.2	44.2	44.3	44.3	44.4	44.4
IV 500	53.3	40.1	42.2	43.0	43.8	43.9	44.0	44.1	44.1	44.2	44.2	44.3	44.3	44.4	44.4
IV 400	53.3	40.1	42.2	43.0	43.8	43.9	44.0	44.1	44.1	44.2	44.2	44.3	44.3	44.4	44.4
IV 300	53.3	40.1	42.2	43.0	43.8	43.9	44.0	44.1	44.1	44.2	44.2	44.3	44.3	44.4	44.4
IV 200	53.3	40.1	42.2	43.0	43.8	43.9	44.0	44.1	44.1	44.2	44.2	44.3	44.3	44.4	44.4
IV 100	53.3	40.1	42.2	43.0	43.8	43.9	44.0	44.1	44.1	44.2	44.2	44.3	44.3	44.4	44.4
IV 0	53.3	40.1	42.2	43.0	43.8	43.9	44.0	44.1	44.1	44.2	44.2	44.3	44.3	44.4	44.4

TOTAL NUMBER OF OBSERVATIONS 15287

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841 WILMINGTON OHIO/CLINTON CO AFB

44-49,53-61,63-68

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS R S P

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 0
NO CEILING	36.4	55.4	58.9	60.4	61.1	61.2	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 20000	40.6	62.6	67.7	69.6	70.6	70.7	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 18000	40.7	62.6	67.7	69.6	70.6	70.7	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 16000	40.7	62.6	67.7	69.6	70.6	70.7	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 14000	41.1	64.2	68.8	70.7	71.6	71.8	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 12000	41.9	66.7	71.3	73.4	74.4	74.6	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 10000	43.0	69.6	74.3	76.6	77.6	77.8	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 9000	43.9	70.4	75.1	77.6	78.6	78.7	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 8000	44.4	72.3	77.3	79.3	80.6	80.7	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 7000	44.7	72.8	78.2	80.4	81.5	81.6	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 6000	45.1	74.1	79.9	82.2	83.4	83.5	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 5000	45.9	76.5	82.5	84.9	86.0	86.1	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 4500	46.1	76.9	83.1	85.4	86.6	86.7	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 4000	46.3	78.1	84.3	87.1	88.3	88.3	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 3500	46.4	78.6	85.2	87.8	89.1	89.4	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 3000	46.8	80.1	87.2	89.8	91.1	91.4	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 2500	47.1	80.9	88.2	90.8	92.2	92.4	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 2000	47.3	82.3	89.7	92.4	93.9	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1800	47.6	82.9	89.8	92.9	94.0	94.3	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1500	47.8	82.8	90.1	92.9	94.3	94.5	94.8	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1200	47.8	83.2	90.8	93.8	95.2	95.5	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1000	47.8	83.2	90.9	93.9	95.3	95.9	96.1	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 900	47.8	83.6	91.3	94.2	96.0	96.3	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	47.7	83.6	91.6	94.8	96.4	96.7	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700	47.7	83.7	91.7	94.8	96.8	97.1	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 600	47.7	83.9	92.0	95.1	97.2	97.3	97.9	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2
≥ 500	47.8	83.9	92.2	95.4	97.6	98.0	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 400	47.8	83.9	92.2	95.4	97.6	98.0	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 300	47.8	83.9	92.2	95.4	97.6	98.0	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 200	47.8	83.9	92.2	95.4	97.6	98.0	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 100	47.8	83.9	92.2	95.4	97.6	98.0	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 0	47.8	83.9	92.2	95.4	97.6	98.0	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 1682

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CU AFB  
STATION NAME

44-49, 53-60, 64-68  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	26.0	44.3	49.0	51.8	53.6	54.1	54.0	54.9	54.9	55.1	55.2	55.2	55.6	55.6	55.7	55.8
IV 18000	31.2	52.4	58.7	61.2	63.3	63.9	64.4	64.9	64.9	65.2	65.3	65.3	65.7	65.7	65.9	66.2
IV 16000	31.3	52.5	58.8	61.2	63.4	64.0	64.5	64.9	65.0	65.3	65.4	65.4	65.7	65.8	65.9	66.3
IV 14000	31.4	52.7	59.0	61.4	63.6	64.1	64.7	65.1	65.2	65.5	65.6	65.6	65.9	66.0	66.1	66.5
IV 12000	32.0	53.7	60.0	62.3	64.7	65.2	65.8	66.2	66.3	66.6	66.7	66.7	67.0	67.1	67.2	67.6
IV 10000	34.3	59.6	66.7	69.8	72.0	72.6	73.3	73.7	73.8	74.1	74.1	74.1	74.3	74.6	74.7	75.1
IV 9000	34.7	60.9	68.1	71.2	73.5	74.1	74.8	75.2	75.2	75.6	75.6	75.6	76.0	76.0	76.2	76.5
IV 8000	34.9	62.0	69.4	72.0	74.9	75.5	76.2	76.6	76.7	77.0	77.0	77.0	77.4	77.5	77.6	78.0
IV 7000	35.2	62.9	70.4	73.8	76.1	76.7	77.5	78.0	78.0	78.3	78.4	78.4	78.8	78.8	79.0	79.3
IV 6000	35.4	63.9	71.5	74.9	77.3	78.0	78.7	79.2	79.3	79.6	79.6	79.6	80.0	80.1	80.2	80.6
IV 5000	35.9	65.7	73.5	77.0	79.4	80.1	80.9	81.4	81.4	81.7	81.8	81.8	82.2	82.2	82.3	82.7
IV 4500	36.0	66.1	74.0	77.5	79.9	80.6	81.4	81.9	81.9	82.3	82.4	82.4	82.8	82.8	83.0	83.3
IV 4000	36.4	67.0	75.1	78.8	81.3	82.0	82.9	83.3	83.3	83.5	84.0	84.0	84.4	84.4	84.6	84.9
IV 3500	36.9	68.2	76.7	80.3	83.0	83.8	84.7	85.2	85.3	85.8	85.9	85.9	86.2	86.3	86.4	86.8
IV 3000	37.3	69.7	78.4	82.6	85.2	86.0	86.9	87.3	87.3	87.5	88.0	88.1	88.5	88.5	88.6	89.0
IV 2500	37.5	70.4	79.5	83.9	86.6	87.3	88.5	89.0	89.1	89.4	89.6	89.6	90.0	90.1	90.2	90.6
IV 2000	37.7	71.4	80.7	85.4	88.2	89.1	90.1	90.7	90.7	91.2	91.3	91.3	91.7	91.7	91.9	92.2
IV 1800	37.7	71.5	80.9	85.6	88.3	89.3	90.4	90.9	91.0	91.5	91.5	91.5	91.9	92.0	92.1	92.5
IV 1500	37.8	71.9	81.6	86.4	89.3	90.3	91.2	91.8	91.9	92.3	92.4	92.4	92.8	92.8	93.0	93.3
IV 1200	37.8	72.6	82.6	87.5	90.4	91.3	92.4	93.0	93.0	93.5	93.5	93.5	94.0	94.0	94.1	94.5
IV 1000	37.8	72.8	82.9	87.8	90.9	91.7	92.9	93.5	93.5	94.1	94.1	94.1	94.5	94.6	94.7	95.1
IV 900	37.9	73.0	83.3	88.3	91.8	92.3	93.5	94.1	94.2	94.8	94.8	94.8	95.2	95.2	95.4	95.7
IV 800	38.0	73.4	84.0	89.0	92.2	93.0	94.2	94.8	94.8	95.4	95.4	95.4	95.8	95.9	96.0	96.4
IV 700	38.1	73.6	84.3	89.3	92.7	93.6	94.8	95.4	95.4	96.0	96.0	96.0	96.4	96.5	96.6	97.0
IV 600	38.1	73.8	84.4	89.6	93.1	94.0	95.2	95.8	95.9	96.5	96.5	96.5	96.9	97.0	97.1	97.5
IV 500	38.1	73.8	84.7	89.9	93.4	94.3	95.5	96.1	96.2	96.8	96.8	96.8	97.3	97.4	97.5	97.9
IV 400	38.1	74.0	84.8	90.1	93.6	94.5	95.9	96.5	96.6	97.2	97.3	97.3	97.8	97.9	98.0	98.4
IV 300	38.1	74.0	84.8	90.1	93.7	94.6	96.0	96.7	96.8	97.4	97.5	97.5	98.0	98.1	98.2	98.6
IV 200	38.1	74.0	84.8	90.1	93.7	94.6	96.0	96.7	96.8	97.4	97.5	97.5	98.0	98.1	98.2	98.6
IV 100	38.1	74.0	84.8	90.1	93.7	94.6	96.0	96.7	96.8	97.4	97.5	97.5	98.0	98.1	98.2	98.6
IV 0	38.1	74.0	84.8	90.1	93.7	94.6	96.0	96.7	96.8	97.4	97.5	97.5	98.0	98.1	98.2	98.6

TOTAL NUMBER OF OBSERVATIONS 1520

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841 WILMINGTON OHIO/CLINTON CU AFB

44-49, 53-60, 63-68

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	23.2	35.9	39.6	41.1	42.9	43.8	44.2	44.7	44.7	44.8	45.0	45.0	45.1	45.1	45.1	45.1
N 20000	32.9	50.0	53.4	57.6	59.4	60.7	61.2	61.6	61.8	62.0	62.3	62.4	62.5	62.5	62.5	62.6
NV 18000	33.0	50.1	53.6	57.8	59.6	60.9	61.3	61.9	62.0	62.2	62.5	62.8	62.7	62.7	62.7	62.8
NV 16000	33.0	50.1	53.6	57.8	59.6	60.9	61.3	61.9	62.0	62.2	62.5	62.8	62.7	62.7	62.7	62.8
NV 14000	33.4	50.7	54.2	58.3	60.4	61.7	62.2	62.8	62.8	63.0	63.3	63.4	63.5	63.5	63.5	63.6
NV 12000	34.0	53.2	57.0	61.3	63.3	64.9	65.3	65.9	66.0	66.2	66.5	66.5	66.7	66.7	66.7	66.8
NV 10000	36.3	57.6	64.0	66.9	69.0	70.4	70.9	71.5	71.5	71.7	72.0	72.1	72.2	72.2	72.2	72.3
NV 9000	36.7	58.2	64.7	67.2	69.9	71.4	71.8	72.5	72.5	72.7	73.1	73.1	73.3	73.3	73.3	73.4
NV 8000	37.5	59.7	66.7	69.4	72.2	73.9	74.4	75.1	75.2	75.3	75.8	75.8	76.1	76.1	76.1	76.1
NV 7000	37.6	61.0	68.3	71.1	73.9	75.6	76.2	76.8	77.0	77.2	77.5	77.5	77.8	77.8	77.8	77.8
NV 6000	37.4	61.7	69.1	71.9	74.7	76.4	77.2	77.8	78.0	78.2	78.6	78.6	78.8	78.8	78.8	78.9
NV 5000	38.8	62.1	70.6	73.3	76.4	78.1	78.9	79.6	79.7	79.9	80.3	80.3	80.5	80.5	80.5	80.6
NV 4500	39.1	63.7	71.4	74.3	77.2	78.9	79.7	80.4	80.5	80.8	81.1	81.2	81.4	81.4	81.4	81.4
NV 4000	39.8	64.7	72.7	75.9	78.6	80.3	81.1	81.8	82.0	82.3	82.6	82.6	82.8	82.8	82.8	82.8
NV 3500	40.3	65.6	73.9	77.1	80.0	81.9	82.7	83.6	83.7	84.0	84.3	84.4	84.6	84.6	84.6	84.6
NV 3000	40.7	66.5	75.1	78.6	81.7	83.6	84.7	85.4	85.5	85.8	86.1	86.2	86.4	86.4	86.4	86.4
NV 2500	41.2	67.9	76.4	79.9	82.2	84.2	85.3	86.0	86.1	86.4	86.7	86.8	87.0	87.0	87.0	87.1
NV 2000	41.3	68.9	77.6	81.2	84.6	86.3	87.7	88.5	88.6	88.9	89.2	89.3	89.5	89.5	89.5	89.5
NV 1800	41.3	69.1	77.8	81.4	84.9	87.0	88.1	88.9	89.0	89.3	89.6	89.7	89.9	89.9	89.9	89.9
NV 1500	41.3	69.6	78.4	82.1	85.6	87.7	88.9	89.8	89.9	90.2	90.5	90.6	90.8	90.8	90.8	90.8
NV 1200	41.3	70.2	79.3	82.3	87.0	89.0	90.4	91.2	91.4	91.6	92.0	92.0	92.2	92.2	92.2	92.3
NV 1000	41.6	71.0	80.2	84.3	88.2	90.4	91.7	92.7	92.8	93.0	93.4	93.4	93.6	93.6	93.6	93.7
NV 900	41.7	71.4	80.6	84.9	88.8	91.2	92.6	93.7	93.8	94.0	94.4	94.4	94.6	94.6	94.6	94.7
NV 800	41.8	71.6	81.1	85.3	89.3	92.1	93.6	94.7	94.8	95.1	95.4	95.5	95.7	95.7	95.7	95.7
NV 700	41.9	71.9	81.2	85.6	90.0	92.8	94.2	95.4	95.5	95.8	96.1	96.2	96.4	96.4	96.4	96.5
NV 600	41.9	71.6	81.2	85.8	90.4	93.2	94.8	95.9	96.1	96.4	96.8	96.8	97.1	97.1	97.1	97.2
NV 500	41.9	71.9	81.5	86.1	90.8	93.9	95.4	96.7	96.8	97.2	97.6	97.7	97.9	97.9	97.9	98.0
NV 400	41.9	72.1	81.7	86.2	91.0	94.2	96.1	97.4	97.5	97.8	98.1	98.2	98.4	98.4	98.4	98.5
NV 300	41.9	72.1	81.7	86.2	91.0	94.2	96.1	97.4	97.5	97.8	98.1	98.2	98.4	98.4	98.4	98.5
NV 200	41.9	72.1	81.7	86.2	91.0	94.2	96.1	97.4	97.5	97.8	98.1	98.2	98.4	98.4	98.4	98.5
NV 100	41.9	72.1	81.7	86.2	91.0	94.2	96.1	97.4	97.5	97.8	98.1	98.2	98.4	98.4	98.4	98.5
NV 0	41.9	72.1	81.7	86.2	91.0	94.2	96.1	97.4	97.5	97.8	98.1	98.2	98.4	98.4	98.4	98.5

TOTAL NUMBER OF OBSERVATIONS 1879

DATA PROCESSING DIVISION  
ETAC, USAF  
ASBREVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-49,53-68  
YEARS

JUN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/10	≥ ¼	≥ 0
NO CEILING	28.4	39.1	41.4	42.1	42.6	42.7	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
≥ 20000	40.3	55.9	59.3	60.2	60.9	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 18000	40.3	56.0	59.4	60.4	61.0	61.2	61.2	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 16000	40.3	56.2	59.7	60.8	61.4	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 14000	41.3	57.2	60.6	61.6	62.2	62.4	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 12000	42.1	59.0	62.6	63.8	64.5	64.7	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 10000	43.0	61.7	66.0	67.3	68.1	68.3	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 9000	43.8	62.3	66.6	68.0	68.8	69.1	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 8000	44.3	63.9	68.6	70.0	71.0	71.2	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 7000	45.0	65.3	70.1	71.7	72.7	72.9	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 6000	45.3	66.2	71.1	72.8	73.9	74.2	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 5000	46.3	68.0	72.9	74.6	75.9	76.3	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 4500	46.8	68.4	73.4	75.1	76.5	76.9	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 4000	47.8	69.8	75.1	77.0	78.5	78.9	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3500	48.6	71.2	76.6	78.6	80.2	80.6	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 3000	49.7	73.1	78.7	80.7	82.3	82.6	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2500	51.7	76.2	81.9	84.0	85.6	86.0	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 2000	52.8	79.0	85.4	87.6	89.3	89.8	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1800	53.0	79.3	86.0	88.2	90.2	90.6	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 1500	55.4	80.5	87.2	89.3	91.3	91.7	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1200	53.3	81.3	88.3	90.9	93.0	93.6	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1000	53.8	82.7	89.6	92.6	94.5	95.1	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 900	54.0	83.2	90.2	93.0	95.4	96.1	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 800	54.0	83.4	90.6	93.3	95.9	96.6	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 700	54.0	83.5	90.7	93.5	96.1	97.0	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 600	54.0	83.5	90.7	93.5	96.2	97.2	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 500	54.0	83.5	90.9	93.7	96.4	97.3	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	54.0	83.5	90.9	93.7	96.5	97.6	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300	54.0	83.5	90.9	93.7	96.5	97.6	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 200	54.0	83.5	90.9	93.7	96.5	97.6	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 100	54.0	83.5	90.9	93.7	96.5	97.6	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 0	54.0	83.5	90.9	93.7	96.5	97.6	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS

1832



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841 W. LAMINGTON OHIO/CLINTON CO AFB

44-49, 53-68

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	26.2	33.3	34.3	34.8	34.9	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
≥ 20000	39.2	50.4	52.0	52.7	52.8	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 18000	39.3	50.5	52.1	52.8	52.9	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 16000	39.6	50.9	52.5	53.2	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 14000	40.0	51.3	53.3	54.0	54.1	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 12000	41.5	53.3	55.5	56.2	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 10000	43.8	57.4	59.9	61.0	61.1	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 9000	44.0	58.0	60.5	61.6	61.7	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 8000	44.9	59.7	62.4	63.5	63.7	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 7000	45.2	60.3	63.4	64.6	64.9	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 6000	45.3	60.9	63.8	65.2	65.4	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 5000	46.3	62.3	65.6	67.2	67.5	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 4500	46.7	63.3	66.6	68.2	68.5	68.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 4000	47.1	64.3	67.6	69.2	69.5	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 3500	47.2	64.6	67.9	69.2	69.4	69.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 3000	47.6	65.8	68.6	70.4	70.7	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 2500	48.1	66.1	68.7	70.9	71.2	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 2000	48.7	66.5	69.3	71.5	71.8	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 1800	49.0	66.8	69.6	71.8	72.1	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 1500	49.3	67.1	69.9	72.1	72.4	72.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 1200	49.7	67.5	70.3	72.5	72.8	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 1000	50.1	67.9	70.7	72.9	73.2	73.4	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 900	50.5	68.3	71.1	73.3	73.6	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 800	50.9	68.7	71.5	73.7	74.0	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 700	51.3	69.1	71.9	74.1	74.4	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 600	51.7	69.5	72.3	74.5	74.8	75.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 500	52.1	69.9	72.7	74.9	75.2	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 400	52.5	70.3	73.1	75.3	75.6	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 300	52.9	70.7	73.5	75.7	76.0	76.2	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 200	53.3	71.1	73.9	76.1	76.4	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 100	53.7	71.5	74.3	76.5	76.8	77.0	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 0	54.1	71.9	74.7	76.9	77.2	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6

TOTAL NUMBER OF OBSERVATIONS 1857

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

12241 WILMINGTON OHIO/CLINTON CU APB

44-49,53-68

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	28,1 42,9	34,2 54,2	35,7 56,8	36,1 57,6	36,3 57,7	36,3 57,8	36,3 57,8	36,3 57,8	36,3 57,8	36,3 57,8	36,3 57,8	36,3 57,8	36,3 57,8	36,3 57,8	36,3 57,8	36,3 57,8
IV 18000 IV 16000	43,9 44,1	54,2 54,6	56,8 57,2	57,6 58,0	57,7 58,1	57,8 58,2	57,8 58,2	57,8 58,2	57,8 58,2	57,8 58,2	57,8 58,2	57,8 58,2	57,8 58,2	57,8 58,2	57,8 58,2	57,8 58,2
IV 14000 IV 12000	44,1 46,7	54,6 58,4	57,2 61,0	58,0 61,9	58,1 62,1	58,2 62,1	58,2 62,1	58,2 62,1	58,2 62,1	58,2 62,1	58,2 62,1	58,2 62,1	58,2 62,1	58,2 62,1	58,2 62,1	58,2 62,1
IV 10000 IV 9000	49,2 49,6	62,2 62,9	64,8 65,6	66,0 66,8	66,2 67,1	66,3 67,1	66,3 67,1	66,3 67,1	66,3 67,1	66,3 67,1	66,3 67,1	66,3 67,1	66,3 67,1	66,3 67,1	66,3 67,1	66,3 67,1
IV 8000 IV 7000	50,2 50,9	64,1 65,0	67,0 67,9	68,4 69,3	68,6 69,6	68,8 69,8	68,8 69,8	68,8 69,8	68,8 69,8	68,8 69,8	68,8 69,8	68,8 69,8	68,8 69,8	68,8 69,8	68,8 69,8	68,8 69,8
IV 6000 IV 5000	51,1 51,9	65,5 67,5	68,4 70,3	69,9 72,1	70,2 72,5	70,3 72,7	70,3 72,7	70,3 72,7	70,3 72,7	70,3 72,7	70,3 72,7	70,3 72,7	70,3 72,7	70,3 72,7	70,3 72,7	70,3 72,7
IV 4500 IV 4000	53,4 56,4	69,6 74,1	72,9 77,8	74,3 79,5	75,0 80,1	75,2 80,3	75,2 80,4	75,2 80,4	75,2 80,4	75,2 80,4	75,2 80,4	75,2 80,4	75,2 80,4	75,2 80,4	75,2 80,4	75,2 80,4
IV 3500 IV 3000	58,3 60,7	77,1 81,7	80,9 83,6	82,8 87,8	83,6 88,7	83,8 88,8	83,9 89,0	83,9 89,0	83,9 89,0	83,9 89,0	83,9 89,0	83,9 89,0	83,9 89,0	83,9 89,0	83,9 89,0	83,9 89,0
IV 2500 IV 2000	62,0 63,1	84,5 86,7	88,6 91,2	90,9 93,7	91,9 95,0	92,0 95,1	92,3 95,3	92,4 95,3	92,4 95,3	92,4 95,3	92,4 95,3	92,4 95,3	92,4 95,3	92,4 95,3	92,4 95,3	92,4 95,3
IV 1800 IV 1500	63,1 63,2	86,9 87,3	91,5 92,3	94,1 94,9	95,4 96,3	95,5 96,7	95,8 97,1	95,9 97,2	95,9 97,2	96,0 97,3	96,0 97,3	96,0 97,3	96,0 97,3	96,0 97,3	96,0 97,3	96,0 97,3
IV 1200 IV 1000	63,3 63,4	88,2 88,3	93,0 93,1	95,7 96,0	97,3 97,7	97,5 97,9	97,9 98,3	98,0 98,5	98,1 98,5	98,2 98,7	98,2 98,7	98,2 98,7	98,2 98,7	98,2 98,7	98,2 98,7	98,2 98,7
IV 900 IV 800	63,6 63,7	88,3 88,5	93,2 93,2	96,1 96,2	98,0 98,0	98,2 98,4	98,7 99,0	98,8 99,1	98,9 99,1	99,0 99,2	99,1 99,3	99,1 99,3	99,1 99,3	99,1 99,3	99,1 99,3	99,1 99,3
IV 700 IV 600	63,4 63,4	88,3 88,4	93,2 93,3	96,2 96,4	98,2 98,3	98,6 98,7	99,1 99,3	99,2 99,4	99,3 99,4	99,4 99,6	99,4 99,6	99,4 99,6	99,4 99,6	99,4 99,6	99,4 99,6	99,4 99,6
IV 500 IV 400	63,4 63,4	88,4 88,4	93,3 93,3	96,4 96,5	98,3 98,4	98,7 98,8	99,3 99,4	99,3 99,5	99,5 99,6	99,6 99,8	99,6 99,8	99,6 99,8	99,6 99,8	99,6 99,8	99,6 99,8	99,6 99,8
IV 300 IV 200	63,4 63,4	88,4 88,4	93,3 93,3	96,5 96,5	98,4 98,4	98,8 98,8	99,4 99,4	99,5 99,5	99,6 99,6	99,8 99,8	99,8 99,8	99,8 99,8	99,8 99,8	99,8 99,8	99,8 99,8	99,8 99,8
IV 100 IV 0	63,4 63,4	88,4 88,4	93,3 93,3	96,5 96,5	98,4 98,4	98,8 98,8	99,4 99,4	99,5 99,5	99,6 99,6	99,8 99,8	99,8 99,8	99,8 99,8	99,8 99,8	99,8 99,8	99,8 99,8	99,8 99,8

TOTAL NUMBER OF OBSERVATIONS 1937

DATA PROCESSING DIVISION  
ETAC, USAF  
ASBREVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841 WILMINGTON OHIO/CLINTON CO AFB

44-49-53-68

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (E.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 5/8
NO CEILING	31.5	40.2	42.6	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 20000	46.0	62.7	66.1	67.2	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 18000	46.5	62.7	66.1	67.2	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 16000	46.7	62.9	66.3	67.4	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 14000	47.2	63.9	67.2	68.4	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 12000	48.8	66.6	70.1	71.3	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 10000	49.7	68.8	72.4	73.9	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 9000	50.4	69.8	73.6	75.2	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 8000	50.9	71.0	75.1	76.7	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 7000	51.3	72.2	76.3	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 6000	51.9	72.7	77.1	78.7	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 5000	52.9	75.6	80.2	81.9	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 4500	53.3	76.4	81.4	83.2	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 4000	54.3	78.7	83.9	85.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 3500	54.9	79.9	85.3	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 3000	56.1	82.2	87.8	90.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2500	56.6	84.2	90.1	92.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 2000	57.2	86.0	92.2	94.8	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1800	57.2	86.1	92.4	94.9	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1500	57.3	86.3	92.7	95.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1200	57.4	86.7	93.1	95.8	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1000	57.4	86.9	93.3	96.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 900	57.4	86.9	93.4	96.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 800	57.4	86.9	93.4	96.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 700	57.4	87.0	93.5	96.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 600	57.4	87.0	93.5	96.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 500	57.4	87.0	93.7	96.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 400	57.4	87.0	93.7	96.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 300	57.4	87.0	93.7	96.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 200	57.4	87.0	93.7	96.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 100	57.4	87.0	93.7	96.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 0	57.4	87.0	93.7	96.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS 1953

DATA PROCESSING DIVISION  
ETAC, USAF  
ASBVILLE, N. C. 28601

# CEILING VERSUS VISIBILITY

13841 WILMINGTON OHIO/CLINTON CU AFB

44-49,53-68

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 0
NO CEILING	36.0	52.2	55.1	56.1	56.3	56.3	56.3	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.5
≥ 2000	42.9	64.4	69.1	70.6	70.9	70.9	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0
≥ 1800	42.9	64.4	69.1	70.6	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 1600	42.9	64.4	69.1	70.6	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 1400	42.9	64.4	69.1	70.6	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 1200	42.9	64.4	69.1	70.6	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 1000	42.9	64.4	69.1	70.6	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 900	42.9	64.4	69.1	70.6	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 800	42.9	64.4	69.1	70.6	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 700	42.9	64.4	69.1	70.6	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 600	42.9	64.4	69.1	70.6	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 500	42.9	64.4	69.1	70.6	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 450	42.9	64.4	69.1	70.6	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 400	42.9	64.4	69.1	70.6	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 350	42.9	64.4	69.1	70.6	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 300	42.9	64.4	69.1	70.6	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 250	42.9	64.4	69.1	70.6	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 200	42.9	64.4	69.1	70.6	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 180	42.9	64.4	69.1	70.6	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 150	42.9	64.4	69.1	70.6	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 120	42.9	64.4	69.1	70.6	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 100	42.9	64.4	69.1	70.6	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 90	42.9	64.4	69.1	70.6	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 80	42.9	64.4	69.1	70.6	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 70	42.9	64.4	69.1	70.6	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 60	42.9	64.4	69.1	70.6	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 50	42.9	64.4	69.1	70.6	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 40	42.9	64.4	69.1	70.6	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 30	42.9	64.4	69.1	70.6	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 20	42.9	64.4	69.1	70.6	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 10	42.9	64.4	69.1	70.6	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 0	42.9	64.4	69.1	70.6	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0

TOTAL NUMBER OF OBSERVATIONS 1937

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON RHIO CLINTON CO AFB

44-49-22-00H  
YEARS

JUN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (24)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	29.0	41.7	44.5	45.9	46.1	46.3	46.5	46.6	46.6	46.6	46.7	46.7	46.7	46.7	46.7	46.5
≥ 20000	40.0	36.8	35.7	32.1	32.9	32.2	32.3	32.5	32.5	32.6	32.6	32.6	32.7	32.7	32.7	32.8
IV 18000	40.0	36.9	36.8	32.2	33.0	32.2	32.4	32.6	32.6	32.7	32.7	32.7	32.8	32.8	32.8	32.9
IV 16000	40.2	37.1	37.0	32.4	33.2	32.3	32.5	32.7	32.7	32.8	32.8	32.8	32.9	32.9	32.9	33.0
IV 14000	40.7	38.0	37.8	32.8	33.6	32.7	32.9	33.1	33.1	33.2	33.2	33.2	33.3	33.3	33.3	33.4
IV 12000	41.9	39.2	39.0	34.0	34.8	33.9	34.1	34.3	34.3	34.4	34.4	34.4	34.5	34.5	34.5	34.6
IV 10000	43.0	40.4	40.2	35.2	36.0	35.1	35.3	35.5	35.5	35.6	35.6	35.6	35.7	35.7	35.7	35.8
IV 9000	44.0	41.5	41.3	36.3	37.1	36.2	36.4	36.6	36.6	36.7	36.7	36.7	36.8	36.8	36.8	36.9
IV 8000	44.8	42.4	42.2	37.2	38.0	37.1	37.3	37.5	37.5	37.6	37.6	37.6	37.7	37.7	37.7	37.8
IV 7000	45.0	42.6	42.4	37.4	38.2	37.3	37.5	37.7	37.7	37.8	37.8	37.8	37.9	37.9	37.9	38.0
IV 6000	45.3	42.9	42.7	37.7	38.5	37.6	37.8	38.0	38.0	38.1	38.1	38.1	38.2	38.2	38.2	38.3
IV 5000	46.1	43.7	43.5	38.5	39.3	38.4	38.6	38.8	38.8	38.9	38.9	38.9	39.0	39.0	39.0	39.1
IV 4500	46.6	44.2	44.0	39.0	39.8	38.9	39.1	39.3	39.3	39.4	39.4	39.4	39.5	39.5	39.5	39.6
IV 4000	46.8	44.4	44.2	39.2	40.0	39.1	39.3	39.5	39.5	39.6	39.6	39.6	39.7	39.7	39.7	39.8
IV 3500	49.1	47.5	47.3	41.5	42.3	41.4	41.6	41.8	41.8	41.9	41.9	41.9	42.0	42.0	42.0	42.1
IV 3000	50.3	47.7	47.5	41.7	42.5	41.6	41.8	42.0	42.0	42.1	42.1	42.1	42.2	42.2	42.2	42.3
IV 2500	51.4	49.1	48.9	43.1	43.9	43.0	43.2	43.4	43.4	43.5	43.5	43.5	43.6	43.6	43.6	43.7
IV 2000	52.0	50.9	50.7	44.7	45.5	44.6	44.8	45.0	45.0	45.1	45.1	45.1	45.2	45.2	45.2	45.3
IV 1800	52.1	51.2	51.0	45.0	45.8	44.9	45.1	45.3	45.3	45.4	45.4	45.4	45.5	45.5	45.5	45.6
IV 1500	52.2	51.3	51.1	45.1	45.9	45.0	45.2	45.4	45.4	45.5	45.5	45.5	45.6	45.6	45.6	45.7
IV 1200	52.3	51.4	51.2	45.2	46.0	45.1	45.3	45.5	45.5	45.6	45.6	45.6	45.7	45.7	45.7	45.8
IV 1000	52.4	51.5	51.3	45.3	46.1	45.2	45.4	45.6	45.6	45.7	45.7	45.7	45.8	45.8	45.8	45.9
IV 900	52.5	51.6	51.4	45.4	46.2	45.3	45.5	45.7	45.7	45.8	45.8	45.8	45.9	45.9	45.9	46.0
IV 800	52.5	51.6	51.4	45.4	46.2	45.3	45.5	45.7	45.7	45.8	45.8	45.8	45.9	45.9	45.9	46.0
IV 700	52.5	51.6	51.4	45.4	46.2	45.3	45.5	45.7	45.7	45.8	45.8	45.8	45.9	45.9	45.9	46.0
IV 600	52.5	51.6	51.4	45.4	46.2	45.3	45.5	45.7	45.7	45.8	45.8	45.8	45.9	45.9	45.9	46.0
IV 500	52.5	51.6	51.4	45.4	46.2	45.3	45.5	45.7	45.7	45.8	45.8	45.8	45.9	45.9	45.9	46.0
IV 400	52.5	51.6	51.4	45.4	46.2	45.3	45.5	45.7	45.7	45.8	45.8	45.8	45.9	45.9	45.9	46.0
IV 300	52.5	51.6	51.4	45.4	46.2	45.3	45.5	45.7	45.7	45.8	45.8	45.8	45.9	45.9	45.9	46.0
IV 200	52.5	51.6	51.4	45.4	46.2	45.3	45.5	45.7	45.7	45.8	45.8	45.8	45.9	45.9	45.9	46.0
IV 100	52.5	51.6	51.4	45.4	46.2	45.3	45.5	45.7	45.7	45.8	45.8	45.8	45.9	45.9	45.9	46.0
IV 0	52.5	51.6	51.4	45.4	46.2	45.3	45.5	45.7	45.7	45.8	45.8	45.8	45.9	45.9	45.9	46.0

TOTAL NUMBER OF OBSERVATIONS 14497

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

12841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-45, 47-49, 53-60, 63-68  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (L S F)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼
NO CEILING	28.9	55.7	60.6	62.2	63.1	63.1	63.5	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.9
≥ 20000	22.8	62.7	69.8	71.9	73.1	73.1	73.6	73.8	73.8	73.9	73.9	73.9	73.9	73.9	74.2
IV 18000	32.8	63.6	69.9	72.0	73.2	73.3	73.7	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.3
IV 16000	32.8	64.0	70.1	72.2	73.4	73.5	73.9	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.5
IV 14000	33.0	64.8	71.0	73.2	74.4	74.5	74.9	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.5
IV 12000	33.6	67.6	74.2	76.4	77.6	77.7	78.2	78.3	78.4	78.5	78.5	78.5	78.5	78.5	78.8
IV 10000	34.7	70.9	77.9	80.3	81.6	81.8	82.3	82.5	82.5	82.7	82.7	82.7	82.7	82.7	82.9
IV 9000	35.0	71.4	78.6	81.0	82.3	82.5	83.0	83.2	83.2	83.4	83.4	83.4	83.4	83.4	83.6
IV 8000	35.9	72.8	79.9	82.4	83.7	83.9	84.4	84.6	84.7	84.8	84.8	84.8	84.8	84.8	85.1
IV 7000	35.7	74.0	81.3	83.9	85.2	85.4	85.9	86.1	86.2	86.3	86.3	86.3	86.3	86.3	86.5
IV 6000	35.7	74.3	81.8	84.4	85.7	85.9	86.4	86.6	86.7	86.8	86.8	86.8	86.8	86.8	87.0
IV 5000	35.9	75.4	83.0	85.9	87.2	87.4	87.9	88.1	88.2	88.3	88.3	88.3	88.3	88.3	88.6
IV 4500	36.3	75.8	84.0	87.0	88.4	88.6	89.2	89.4	89.5	89.6	89.6	89.6	89.6	89.6	89.8
IV 4000	36.3	77.7	85.5	88.6	90.1	90.3	91.1	91.3	91.4	91.5	91.5	91.5	91.5	91.5	91.7
IV 3500	36.8	78.0	86.0	89.1	90.6	90.9	91.8	91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.3
IV 3000	37.1	79.7	87.8	90.9	92.5	92.8	93.5	93.7	93.8	94.0	94.0	94.0	94.0	94.0	94.3
IV 2500	37.1	81.0	89.3	92.6	94.3	94.5	95.4	95.6	95.6	95.8	95.8	95.8	95.8	95.8	96.1
IV 2000	37.1	81.2	89.7	93.1	94.8	95.1	96.0	96.1	96.2	96.4	96.4	96.4	96.4	96.4	96.8
IV 1800	37.2	81.3	89.8	93.3	95.0	95.4	96.3	96.4	96.5	96.8	96.8	96.8	96.8	96.8	97.1
IV 1500	37.2	81.3	89.8	93.3	95.0	95.4	96.3	96.4	96.5	96.8	96.8	96.8	96.8	96.8	97.1
IV 1200	37.2	81.3	89.8	93.3	95.0	95.4	96.3	96.4	96.5	96.8	96.8	96.8	96.8	96.8	97.1
IV 1000	37.2	81.3	89.8	93.3	95.0	95.4	96.3	96.4	96.5	96.8	96.8	96.8	96.8	96.8	97.1
IV 900	37.2	81.3	89.8	93.3	95.0	95.4	96.3	96.4	96.5	96.8	96.8	96.8	96.8	96.8	97.1
IV 800	37.2	81.3	89.8	93.3	95.0	95.4	96.3	96.4	96.5	96.8	96.8	96.8	96.8	96.8	97.1
IV 700	37.2	81.3	89.8	93.3	95.0	95.4	96.3	96.4	96.5	96.8	96.8	96.8	96.8	96.8	97.1
IV 600	37.2	81.3	89.8	93.3	95.0	95.4	96.3	96.4	96.5	96.8	96.8	96.8	96.8	96.8	97.1
IV 500	37.2	81.3	89.8	93.3	95.0	95.4	96.3	96.4	96.5	96.8	96.8	96.8	96.8	96.8	97.1
IV 400	37.2	81.3	89.8	93.3	95.0	95.4	96.3	96.4	96.5	96.8	96.8	96.8	96.8	96.8	97.1
IV 300	37.2	81.3	89.8	93.3	95.0	95.4	96.3	96.4	96.5	96.8	96.8	96.8	96.8	96.8	97.1
IV 200	37.2	81.3	89.8	93.3	95.0	95.4	96.3	96.4	96.5	96.8	96.8	96.8	96.8	96.8	97.1
IV 100	37.2	81.3	89.8	93.3	95.0	95.4	96.3	96.4	96.5	96.8	96.8	96.8	96.8	96.8	97.1
IV 0	37.2	81.3	89.8	93.3	95.0	95.4	96.3	96.4	96.5	96.8	96.8	96.8	96.8	96.8	97.1

TOTAL NUMBER OF OBSERVATIONS 1375

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-45, 47-49, 53-60, 64-68  
YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (L. S. T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 1/4	≥ 0
NO CEILING	24.1	46.6	52.8	55.1	57.7	58.0	59.0	59.8	59.8	60.3	60.4	60.4	60.7	60.7	60.9	61.0
≥ 20000	26.2	52.8	60.1	62.7	63.5	63.9	66.8	67.7	67.7	68.3	68.3	68.3	68.9	68.9	69.3	69.7
IV 18000	26.3	52.8	60.1	62.7	63.5	63.9	66.8	67.7	67.7	68.3	68.3	68.3	68.9	68.9	69.3	69.7
IV 16000	26.3	52.8	60.1	62.7	63.5	63.9	66.8	67.7	67.7	68.3	68.3	68.3	68.9	68.9	69.3	69.7
IV 14000	26.6	53.7	61.1	63.8	66.7	67.1	68.0	69.1	69.1	69.6	69.7	69.7	70.3	70.3	70.6	71.0
IV 12000	27.5	56.7	64.3	67.1	70.1	70.4	71.4	72.4	72.4	73.0	73.0	73.0	73.6	73.6	74.0	74.2
IV 10000	28.2	60.2	68.2	71.2	74.6	75.0	75.9	77.0	77.0	77.7	77.8	77.8	78.4	78.4	78.8	79.2
IV 9000	28.4	60.9	69.3	72.6	75.9	76.3	77.2	78.4	78.4	79.0	79.1	79.1	79.7	79.7	80.1	80.5
IV 8000	28.5	61.1	71.0	74.6	77.8	78.2	79.1	80.2	80.2	80.9	80.9	80.9	81.5	81.5	81.9	82.3
IV 7000	28.7	62.3	72.4	75.9	79.3	79.7	80.6	81.7	81.7	82.4	82.5	82.5	83.0	83.0	83.4	83.8
IV 6000	28.7	63.9	73.2	76.8	80.2	80.6	81.5	82.7	82.7	83.3	83.4	83.4	84.0	84.0	84.4	84.8
IV 5000	29.1	66.8	74.2	78.0	81.5	81.9	82.7	84.0	84.0	84.7	84.8	84.8	85.4	85.4	85.8	86.2
IV 4500	29.2	68.3	75.1	79.0	82.3	82.8	83.4	85.0	85.0	85.7	85.8	85.8	86.4	86.4	86.8	87.1
IV 4000	29.7	69.3	76.3	80.8	83.8	84.2	85.4	86.5	86.5	87.1	87.2	87.2	87.8	87.8	88.2	88.5
IV 3500	30.1	67.3	77.4	81.8	85.1	85.5	86.7	87.8	87.8	88.5	88.5	88.5	89.1	89.1	89.5	89.8
IV 3000	30.2	68.3	78.7	82.8	86.7	87.2	88.4	89.5	89.5	90.2	90.3	90.3	90.9	90.9	91.4	91.8
IV 2500	30.3	69.3	79.8	83.9	88.1	88.6	89.8	90.9	90.9	91.6	91.7	91.7	92.3	92.3	92.8	93.2
IV 2000	30.4	69.9	80.7	84.9	89.1	89.7	90.9	92.0	92.0	92.7	92.8	92.8	93.4	93.4	93.9	94.3
IV 1800	30.4	69.9	80.8	84.9	89.2	89.7	90.9	92.0	92.0	92.7	92.8	92.8	93.4	93.4	93.9	94.3
IV 1500	30.4	69.9	80.8	84.9	89.2	89.7	90.9	92.0	92.0	92.7	92.8	92.8	93.4	93.4	93.9	94.3
IV 1200	30.5	70.1	80.7	85.2	89.7	90.2	91.0	92.1	92.1	92.8	92.9	92.9	93.5	93.5	94.0	94.4
IV 1000	30.5	70.2	80.9	85.4	90.2	90.7	91.4	92.5	92.5	93.2	93.3	93.3	93.9	93.9	94.4	94.8
IV 900	30.5	70.3	81.0	85.5	90.2	90.7	91.4	92.5	92.5	93.2	93.3	93.3	93.9	93.9	94.4	94.8
IV 800	30.5	70.4	81.3	85.9	90.8	91.4	92.1	93.2	93.2	93.9	94.0	94.0	94.6	94.6	95.1	95.5
IV 700	30.5	70.4	81.3	85.9	90.9	91.4	92.1	93.2	93.2	93.9	94.0	94.0	94.6	94.6	95.1	95.5
IV 600	30.5	70.4	81.3	85.9	90.9	91.4	92.1	93.2	93.2	93.9	94.0	94.0	94.6	94.6	95.1	95.5
IV 500	30.5	70.4	81.3	85.9	91.0	91.6	92.3	93.4	93.4	94.1	94.2	94.2	94.8	94.8	95.3	95.7
IV 400	30.5	70.4	81.3	85.9	91.0	91.6	92.3	93.4	93.4	94.1	94.2	94.2	94.8	94.8	95.3	95.7
IV 300	30.5	70.4	81.3	85.9	91.0	91.6	92.3	93.4	93.4	94.1	94.2	94.2	94.8	94.8	95.3	95.7
IV 200	30.5	70.4	81.3	85.9	91.0	91.6	92.3	93.4	93.4	94.1	94.2	94.2	94.8	94.8	95.3	95.7
IV 100	30.5	70.4	81.3	85.9	91.0	91.6	92.3	93.4	93.4	94.1	94.2	94.2	94.8	94.8	95.3	95.7
IV 0	30.5	70.4	81.3	85.9	91.0	91.6	92.3	93.4	93.4	94.1	94.2	94.2	94.8	94.8	95.3	95.7

TOTAL NUMBER OF OBSERVATIONS

1516

USAF ETAC

FORM 14-5 (O. 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-45, 47-49, 53-61, 63-68  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

6000-0800  
HOURS R. T. T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	22.9	38.0	42.8	45.4	48.0	49.0	49.8	50.2	50.2	50.2	50.2	50.2	50.2	51.0	51.0	51.0
≥ 20000	26.0	46.0	53.0	58.6	61.2	61.2	62.4	62.1	63.2	64.0	64.1	64.1	64.1	64.4	64.6	64.8
IV 18000	26.8	46.9	53.3	58.6	60.1	61.4	62.6	62.3	63.4	64.3	64.3	64.3	64.3	64.6	64.8	65.0
IV 16000	26.8	47.2	53.6	58.9	60.4	61.7	62.9	62.6	63.7	64.6	64.6	64.6	64.6	64.9	65.1	65.3
IV 14000	26.9	47.9	54.4	59.8	61.4	62.8	64.0	64.8	64.9	65.7	65.8	65.8	65.8	66.1	66.2	66.3
IV 12000	27.0	50.2	57.1	60.6	64.3	65.9	67.1	67.9	68.0	68.8	68.9	68.9	68.9	69.2	69.4	69.6
IV 10000	29.2	53.4	61.1	64.8	68.7	70.7	72.2	73.1	73.1	74.0	74.0	74.0	74.0	74.3	74.5	74.8
IV 9000	29.4	54.2	61.9	65.7	69.7	71.7	73.2	74.2	74.3	74.9	74.9	74.9	74.9	75.3	75.7	76.0
IV 8000	30.0	55.7	63.8	67.7	72.2	74.5	76.1	77.1	77.3	78.0	78.1	78.1	78.1	78.4	78.6	78.9
IV 7000	30.3	56.7	65.2	69.1	74.0	76.4	78.0	79.0	79.0	79.9	80.0	80.0	80.0	80.3	80.8	80.8
IV 6000	30.8	57.4	65.9	70.4	75.7	77.1	78.7	79.7	79.8	80.6	80.7	80.7	80.7	81.0	81.2	81.5
IV 5000	30.9	58.2	67.3	72.0	76.6	79.0	80.7	81.6	81.7	82.3	82.7	82.7	82.7	83.0	83.2	83.5
IV 4500	31.0	58.9	67.9	72.6	77.3	79.8	81.6	82.5	82.6	83.3	83.6	83.6	83.6	83.9	84.1	84.4
IV 4000	31.5	60.0	69.1	73.9	78.7	81.2	83.0	84.1	84.2	85.0	85.1	85.1	85.1	85.4	85.6	85.9
IV 3500	31.5	60.7	69.9	74.8	79.6	82.1	83.9	85.1	85.1	86.0	86.1	86.1	86.1	86.4	86.7	87.0
IV 3000	31.8	61.9	70.8	75.8	80.9	83.3	85.4	86.6	86.7	87.3	87.6	87.6	87.6	87.9	88.2	88.5
IV 2500	32.0	62.1	71.8	76.9	82.1	84.5	86.8	88.0	88.1	88.9	89.1	89.1	89.1	89.4	89.8	90.1
IV 2000	32.2	62.6	72.3	77.4	83.0	85.6	87.9	89.2	89.3	90.1	90.2	90.2	90.2	90.6	90.9	91.2
IV 1800	32.2	62.6	72.3	77.4	83.1	85.6	88.0	89.3	89.3	90.2	90.3	90.3	90.3	90.7	91.0	91.3
IV 1500	32.3	63.3	73.2	78.6	84.1	86.6	88.9	90.3	90.3	91.2	91.3	91.3	91.3	91.7	92.0	92.3
IV 1200	32.3	63.6	73.6	79.0	84.8	87.4	89.9	91.1	91.4	92.3	92.3	92.3	92.3	92.8	93.2	93.5
IV 1000	32.3	63.7	73.9	79.9	85.4	88.0	90.7	92.1	92.3	93.0	93.3	93.3	93.3	94.0	94.3	94.6
IV 900	32.3	63.8	74.1	79.7	85.9	88.5	91.2	92.7	92.8	93.6	94.1	94.1	94.1	94.8	95.1	95.4
IV 800	32.3	63.9	74.3	80.1	86.3	88.9	91.6	93.1	93.2	94.0	94.5	94.5	94.5	95.2	95.5	95.8
IV 700	32.3	64.0	74.7	80.5	86.7	89.3	92.0	93.5	93.6	94.4	94.9	94.9	94.9	95.6	95.9	96.2
IV 600	32.3	64.1	74.9	80.6	87.0	89.7	92.4	93.9	94.0	94.8	95.3	95.3	95.3	96.0	96.3	96.6
IV 500	32.3	64.2	75.0	80.7	87.1	89.8	92.5	94.0	94.1	94.9	95.4	95.4	95.4	96.1	96.4	96.7
IV 400	32.3	64.2	75.0	80.7	87.2	90.1	93.4	95.0	95.2	96.0	96.5	96.5	96.5	97.2	97.5	97.8
IV 300	32.3	64.2	75.1	80.8	87.4	90.3	93.6	95.2	95.4	96.2	96.7	96.7	96.7	97.4	97.7	98.0
IV 200	32.3	64.3	75.1	80.9	87.5	90.4	93.7	95.4	95.6	96.3	96.8	96.8	96.8	97.5	97.8	98.1
IV 100	32.3	64.3	75.1	80.9	87.5	90.4	93.7	95.4	95.6	96.3	96.8	96.8	96.8	97.5	97.8	98.1
IV 0	32.3	64.3	75.1	80.9	87.5	90.4	93.7	95.4	95.6	96.3	96.8	96.8	96.8	97.5	97.8	98.1

TOTAL NUMBER OF OBSERVATIONS 1656



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28601

# CEILING VERSUS VISIBILITY

12841 WILMINGTON OHIO/CLINTON GU AFB

44-45, 47-49, 53-68

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	29.4	42.7	43.1	40.9	47.2	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 20000	35.0	53.3	56.8	59.5	60.3	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 18000	35.1	53.3	57.0	59.7	60.7	61.1	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 16000	35.1	53.3	57.1	59.7	60.7	61.1	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 14000	35.1	53.3	58.1	60.7	61.9	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
IV 12000	36.6	53.3	60.1	62.3	64.6	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 10000	38.2	54.9	64.3	67.8	69.0	69.9	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 9000	38.9	60.9	65.6	68.9	70.4	70.9	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 8000	39.0	62.6	67.4	70.8	72.8	73.1	73.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 7000	39.3	63.6	68.6	72.1	73.9	74.4	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 6000	39.6	64.0	69.1	72.6	74.3	75.1	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 5000	39.8	65.0	70.3	72.7	75.8	76.4	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 4500	40.0	65.3	70.8	73.2	76.3	77.1	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 4000	40.5	65.6	72.1	73.7	78.0	78.6	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 3500	40.8	67.7	73.8	77.0	79.2	79.8	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 3000	41.7	69.3	75.3	79.1	81.4	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 2500	42.0	72.1	78.6	82.3	84.9	85.7	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 2000	43.2	73.9	80.6	84.6	87.2	88.1	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 1800	43.3	76.2	80.9	84.9	87.5	88.4	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 1500	43.6	75.3	82.4	86.7	89.3	90.3	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 1200	44.1	76.8	84.7	88.8	91.8	92.0	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 1000	44.3	77.1	84.9	89.7	93.0	94.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 900	44.1	77.4	85.2	90.2	93.8	94.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 800	44.1	77.7	85.6	90.3	94.0	95.3	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 700	44.2	77.9	86.1	91.3	94.8	96.3	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 600	44.2	78.2	86.5	91.7	95.3	96.8	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 500	44.2	78.2	86.5	91.8	95.3	97.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 400	44.2	78.3	86.5	91.8	95.6	97.1	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 300	44.2	78.2	86.5	91.8	95.6	97.1	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 200	44.2	78.2	86.5	91.8	95.6	97.1	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 100	44.2	78.2	86.5	91.8	95.6	97.1	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 0	44.2	78.2	86.5	91.8	95.6	97.1	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 1899

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

19843  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-45, 47-49, 53-68  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	25.9	34.7	35.9	26.2	36.3	36.6	36.6	26.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
≥ 18000	36.9	31.0	32.9	32.8	34.3	36.5	36.5	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
≥ 16000	36.9	31.2	33.1	34.0	34.5	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 14000	37.0	31.3	33.2	34.1	34.6	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 12000	37.9	32.7	34.7	35.1	36.1	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 10000	38.7	34.0	36.0	37.0	38.4	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
≥ 9000	39.9	37.2	39.6	40.7	41.2	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 8000	40.3	38.2	40.9	42.1	42.6	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 7000	40.9	39.7	42.5	43.8	44.3	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 6000	41.2	40.2	43.1	44.4	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 5000	41.2	40.4	43.3	44.7	45.6	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 4500	41.7	41.7	44.7	45.2	46.1	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 4000	42.9	42.6	45.5	46.1	47.1	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 3500	44.3	43.8	46.8	47.1	48.1	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 3000	45.0	44.2	47.0	47.4	48.4	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 2500	45.3	44.5	47.2	47.6	48.6	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 2000	50.1	47.4	48.1	48.9	49.2	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 1800	51.4	48.9	49.4	49.9	50.1	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 1500	51.7	49.2	49.7	50.2	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 1200	51.8	49.4	49.9	50.4	50.6	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 1000	51.8	49.7	50.0	50.5	50.7	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 900	51.8	49.7	50.0	50.5	50.7	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 800	51.9	49.8	50.1	50.6	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 700	51.9	49.8	50.1	50.6	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 600	51.9	49.8	50.1	50.6	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 500	51.9	49.8	50.1	50.6	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 400	51.9	49.8	50.1	50.6	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 300	51.9	49.8	50.1	50.6	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 200	51.9	49.8	50.1	50.6	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 100	51.9	49.8	50.1	50.6	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 0	51.9	49.8	50.1	50.6	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0

TOTAL NUMBER OF OBSERVATIONS 1874

DATA PROCESSING DIVISION  
ETAC, USAF  
ASBREVILLE, N. C. 28001

# CEILING VERSUS VISIBILITY

13841 STATION WILMINGTON OHIO/CLINTON CO AFB

44-45-47-49-53-55 YEARS

JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700 HOURS (L. T. 11)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	26.3	30.4	38.1	38.8	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥ 20000	27.0	31.1	37.3	38.7	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
IV 18000	38.0	34.8	37.9	38.9	39.7	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
IV 16000	38.2	35.1	37.8	39.2	39.7	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
IV 14000	38.0	34.2	38.0	39.4	39.7	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
IV 12000	39.3	37.9	38.0	39.2	39.7	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
IV 10000	40.3	38.6	39.3	39.7	39.7	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
IV 9000	41.0	38.6	39.3	39.7	39.7	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
IV 8000	41.9	39.3	39.6	39.7	39.7	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
IV 7000	42.3	39.3	39.6	39.7	39.7	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
IV 6000	42.8	39.7	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
IV 5000	43.7	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
IV 4500	44.1	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
IV 4000	46.1	42.9	47.0	49.0	50.4	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV 3500	47.7	43.8	50.1	52.2	53.7	54.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 3000	50.0	46.1	55.9	57.9	59.1	59.5	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
IV 2500	51.9	48.7	58.2	60.9	61.8	62.6	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 2000	52.1	51.7	61.2	63.9	64.8	65.6	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 1800	52.3	56.1	61.7	64.4	65.0	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 1500	52.4	56.4	62.1	64.8	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 1200	52.4	56.7	62.5	65.3	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 1000	52.4	56.8	62.6	65.4	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 900	52.4	56.8	62.6	65.4	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 800	52.4	56.9	62.6	65.4	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 700	52.4	56.9	62.6	65.4	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 600	52.4	56.9	62.6	65.4	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 500	52.4	56.9	62.6	65.4	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 400	52.4	56.9	62.6	65.4	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 300	52.4	56.9	62.6	65.4	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 200	52.4	56.9	62.6	65.4	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 100	52.4	56.9	62.6	65.4	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 0	52.4	56.9	62.6	65.4	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9

TOTAL NUMBER OF OBSERVATIONS 1931

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-45-47-49-53-68  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼
NO CEILING	28.3	42.0	44.5	46.0	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 20000	39.4	62.5	67.2	69.1	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 18000	39.5	62.5	67.4	69.4	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 16000	39.6	62.7	67.6	69.5	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 14000	40.3	68.1	69.2	71.1	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 12000	41.3	67.1	71.2	73.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 10000	42.8	70.7	75.0	77.0	78.3	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 9000	43.3	71.8	76.1	78.3	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 8000	44.2	73.2	77.9	80.2	81.9	82.0	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 7000	44.8	75.0	80.0	82.5	84.2	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 6000	45.0	75.9	81.0	83.4	85.2	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 5000	45.4	77.2	82.3	85.0	86.9	87.2	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 4500	45.7	78.1	83.4	85.9	87.8	88.1	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 4000	46.2	79.7	85.3	88.0	90.6	90.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 3500	48.3	80.4	86.4	89.2	91.1	91.6	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 3000	47.3	82.0	88.3	91.4	93.4	93.9	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 2500	47.7	84.1	90.8	93.7	95.6	95.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 2000	47.7	84.7	91.7	94.7	96.9	97.3	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1800	47.8	84.9	91.9	94.9	97.1	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1500	47.8	85.1	92.3	95.3	97.7	98.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1200	47.8	85.1	92.3	95.3	97.8	98.3	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1000	47.8	85.1	92.3	95.3	97.9	98.6	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 900	47.8	85.1	92.3	95.3	97.9	98.6	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 800	47.8	85.1	92.3	95.3	97.9	98.6	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	47.8	85.1	92.3	95.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	47.8	85.1	92.3	95.3	98.1	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	47.8	85.1	92.3	95.3	98.1	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	47.8	85.1	92.3	95.3	98.1	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	47.8	85.1	92.3	95.3	98.1	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	47.8	85.1	92.3	95.3	98.1	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	47.8	85.1	92.3	95.3	98.1	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	47.8	85.1	92.3	95.3	98.1	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 1932

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-47-49-52-68  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	31.8	53.7	56.6	58.0	58.9	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 18000	37.3	66.9	70.7	72.9	74.2	74.2	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 16000	37.3	66.9	70.7	72.9	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 14000	37.6	66.5	71.5	73.7	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 12000	38.6	68.2	73.3	75.7	77.2	77.2	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 10000	39.3	71.1	77.0	79.5	81.2	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 9000	39.6	72.6	78.1	80.6	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 8000	40.2	74.5	80.1	82.8	84.3	84.3	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 7000	40.6	76.2	81.9	84.3	86.4	86.4	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 6000	40.9	77.4	83.2	85.7	87.8	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 5000	41.1	78.8	84.3	87.7	89.6	89.6	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 4500	41.4	79.4	85.6	88.4	90.3	90.3	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 4000	41.3	80.1	86.3	89.2	91.3	91.3	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 3500	41.7	81.0	87.3	90.3	92.4	92.4	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 3000	41.9	82.3	88.9	91.9	94.1	94.1	94.1	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 2500	42.4	83.4	90.4	93.6	95.8	95.8	95.8	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 2000	42.3	83.2	91.4	94.8	97.2	97.2	97.2	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1800	42.3	84.3	91.6	95.0	97.4	97.4	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 1500	42.3	84.3	91.7	95.1	97.3	97.3	97.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1200	42.3	84.4	91.8	95.4	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1000	42.3	84.3	92.0	95.6	98.2	98.2	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 900	42.3	84.6	92.0	95.6	98.3	98.3	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 800	42.3	84.6	92.1	95.7	98.4	98.4	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 700	42.3	84.8	92.1	95.7	98.5	98.5	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 600	42.3	84.7	92.3	95.9	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 500	42.3	84.7	92.3	95.9	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 400	42.3	84.7	92.3	95.9	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 300	42.3	84.7	92.3	95.9	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 200	42.3	84.7	92.3	95.9	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 100	42.3	84.7	92.3	95.9	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 0	42.3	84.7	92.3	95.9	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 1914

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841

WILMINGTON OHIO/CLINTON CO ARB

44-45, 47-49, 53-68

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 1/4	≥ 0
NO CEILING	27.3	42.6	40.7	48.1	49.1	49.4	49.6	49.8	49.8	49.9	49.9	49.9	49.9	50.0	50.0	50.0
≥ 20000	34.4	56.5	61.0	62.1	64.9	64.8	65.1	65.3	65.4	65.5	65.5	65.5	65.5	65.6	65.6	65.8
IV 18000	34.5	56.7	61.1	62.2	64.7	65.0	65.3	65.5	65.5	65.7	65.7	65.7	65.7	65.8	65.8	66.0
IV 16000	34.5	56.9	61.3	62.4	64.8	65.1	65.3	65.7	65.7	65.9	65.9	65.9	65.9	66.0	66.0	66.1
IV 14000	34.9	57.8	62.4	62.8	66.0	66.3	66.6	66.9	66.9	67.1	67.1	67.1	67.1	67.2	67.2	67.3
IV 12000	35.8	60.0	64.7	67.0	68.8	68.9	69.2	69.4	69.5	69.6	69.6	69.6	69.7	69.8	69.8	69.9
IV 10000	37.0	63.2	68.3	70.7	72.4	72.8	73.2	73.5	73.5	73.7	73.7	73.7	73.7	73.8	73.8	74.0
IV 9000	37.4	64.1	69.4	71.8	73.6	74.0	74.4	74.7	74.7	74.9	74.9	74.9	75.0	75.0	75.1	75.2
IV 8000	37.9	65.6	71.1	73.7	75.6	76.1	76.6	76.9	76.9	77.1	77.1	77.1	77.1	77.2	77.3	77.4
IV 7000	38.3	66.9	72.6	75.3	77.2	77.7	78.2	78.5	78.5	78.7	78.7	78.7	78.8	78.8	78.9	79.0
IV 6000	38.5	67.3	73.4	76.1	78.1	78.6	79.0	79.3	79.3	79.5	79.5	79.5	79.6	79.7	79.7	79.8
IV 5000	38.9	68.8	74.8	77.5	79.7	80.3	80.8	81.1	81.1	81.3	81.3	81.3	81.4	81.4	81.5	81.6
IV 4500	39.3	69.7	75.8	78.7	80.8	81.4	81.9	82.2	82.2	82.4	82.4	82.4	82.5	82.5	82.6	82.7
IV 4000	40.1	71.3	77.8	80.8	83.1	83.7	84.3	84.6	84.7	84.9	84.9	84.9	85.0	85.0	85.1	85.2
IV 3500	40.6	72.8	79.3	82.4	84.7	85.3	86.0	86.3	86.3	86.5	86.5	86.5	86.6	86.6	86.7	86.8
IV 3000	41.6	75.2	82.0	85.2	87.7	88.3	89.0	89.3	89.3	89.5	89.5	89.5	89.7	89.7	89.7	89.8
IV 2500	42.3	77.3	84.8	87.8	90.4	91.1	91.8	92.2	92.2	92.4	92.4	92.4	92.6	92.6	92.7	92.8
IV 2000	42.7	78.3	85.9	89.4	92.1	92.8	93.7	94.0	94.1	94.3	94.3	94.3	94.5	94.5	94.6	94.7
IV 1800	42.7	78.7	86.1	89.7	92.4	93.1	93.9	94.3	94.3	94.5	94.5	94.5	94.7	94.7	94.8	94.9
IV 1500	42.9	79.2	86.8	90.4	93.2	94.0	94.9	95.3	95.3	95.5	95.5	95.5	95.7	95.7	95.8	95.9
IV 1200	43.0	79.8	87.3	91.0	94.1	94.9	95.8	96.2	96.3	96.5	96.5	96.5	96.7	96.7	96.8	96.9
IV 1000	43.0	79.8	87.3	91.4	94.8	95.3	96.3	96.8	96.8	97.2	97.2	97.2	97.3	97.3	97.4	97.5
IV 900	43.0	79.8	87.6	91.5	94.7	95.3	96.3	96.8	96.8	97.0	97.0	97.0	97.1	97.1	97.1	97.1
IV 800	43.0	80.0	87.9	91.8	95.0	95.9	96.9	97.4	97.4	97.6	97.6	97.6	97.7	97.7	97.7	97.7
IV 700	43.0	80.0	88.0	91.9	95.2	96.1	97.2	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 600	43.0	80.1	88.1	92.0	95.4	96.3	97.5	98.0	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 500	43.0	80.1	88.2	92.1	95.4	96.4	97.6	98.2	98.2	98.7	98.7	98.7	98.8	98.8	98.8	98.8
IV 400	43.0	80.2	88.2	92.2	95.6	96.5	97.8	98.4	98.4	98.9	98.9	98.9	99.0	99.0	99.0	99.0
IV 300	43.0	80.2	88.2	92.2	95.6	96.6	97.8	98.4	98.5	99.0	99.0	99.0	99.1	99.1	99.1	99.1
IV 200	43.0	80.2	88.2	92.2	95.6	96.6	97.8	98.4	98.5	99.0	99.0	99.0	99.1	99.1	99.1	99.1
IV 100	43.0	80.2	88.2	92.2	95.6	96.6	97.8	98.4	98.5	99.0	99.0	99.0	99.1	99.1	99.1	99.1
IV 0	43.0	80.2	88.2	92.2	95.6	96.6	97.8	98.4	98.5	99.0	99.0	99.0	99.1	99.1	99.1	100.0

TOTAL NUMBER OF OBSERVATION

14257

USAF ETAC FORM 0-14-5 (OL 1) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CU AFB  
STATION NAME

43-45, 47-49, 53-60, 63-67  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≤ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	18.7	56.4	63.1	69.6	69.3	69.4	70.0	70.2	70.3	70.4	70.4	70.4	70.4	70.4	70.5	70.5
≥ 20000	20.2	60.7	68.6	72.3	75.3	75.3	76.1	76.3	76.4	76.4	76.4	76.4	76.4	76.4	77.1	77.2
IV 18000	20.6	61.0	68.9	72.8	75.6	75.8	76.4	76.6	76.7	77.1	77.2	77.2	77.2	77.2	77.4	77.5
IV 16000	20.8	61.0	68.9	72.8	75.6	75.8	76.4	76.6	76.7	77.1	77.2	77.2	77.2	77.2	77.4	77.5
IV 14000	20.7	61.8	69.7	73.6	76.4	76.6	77.2	77.4	77.5	77.9	78.0	78.0	78.0	78.0	78.1	78.2
IV 12000	21.1	62.3	71.0	76.3	79.2	79.4	80.1	80.3	80.4	80.8	80.8	80.8	80.8	80.9	81.0	81.1
IV 10000	21.6	66.3	73.6	80.4	83.4	83.6	84.4	84.5	84.7	85.0	85.1	85.1	85.1	85.1	85.3	85.4
IV 9000	21.7	66.6	76.0	80.4	83.8	84.0	86.8	86.8	86.8	87.1	87.3	87.3	87.3	87.3	87.7	87.8
IV 8000	22.2	69.0	78.4	83.3	86.2	86.4	87.2	87.4	87.5	87.9	87.9	87.9	87.9	88.0	88.1	88.3
IV 7000	22.2	69.4	78.9	83.9	87.0	87.2	88.0	88.2	88.3	88.7	88.7	88.7	88.7	88.8	88.9	89.0
IV 6000	22.2	69.3	79.0	84.1	87.3	87.5	88.3	88.5	88.6	89.0	89.0	89.0	89.0	89.1	89.2	89.3
IV 5000	22.3	70.6	80.2	85.3	88.7	88.9	89.7	89.9	90.0	90.4	90.4	90.4	90.4	90.5	90.6	90.7
IV 4500	22.3	70.8	80.3	86.1	89.3	89.5	90.3	90.4	90.6	90.9	91.0	91.0	91.0	91.1	91.2	91.3
IV 4000	22.6	71.9	81.9	87.3	90.7	90.9	91.7	91.9	92.0	92.4	92.5	92.5	92.5	92.6	92.6	92.8
IV 3500	22.7	72.4	82.3	88.1	91.4	91.5	92.3	92.7	92.8	93.2	93.2	93.2	93.2	93.3	93.4	93.5
IV 3000	22.9	72.9	83.1	88.7	92.1	92.3	93.3	93.5	93.7	94.0	94.1	94.1	94.1	94.2	94.3	94.4
IV 2500	22.9	73.3	84.1	89.9	93.3	93.5	94.6	94.8	94.9	95.3	95.4	95.4	95.4	95.4	95.6	95.7
IV 2000	23.0	74.1	84.9	90.7	94.3	94.5	95.6	95.9	96.0	96.4	96.4	96.4	96.4	96.5	96.6	96.7
IV 1800	23.1	74.3	85.1	91.0	94.6	94.8	96.0	96.3	96.4	96.8	96.8	96.8	96.8	96.9	97.0	97.1
IV 1500	23.1	74.3	85.1	91.0	94.6	94.8	96.0	96.3	96.4	96.8	96.8	96.8	96.8	96.9	97.0	97.1
IV 1200	23.2	74.6	85.4	91.2	94.9	95.1	96.3	96.6	96.7	97.1	97.1	97.1	97.1	97.2	97.3	97.4
IV 1000	23.2	74.6	85.4	91.2	94.9	95.1	96.3	96.6	96.7	97.1	97.1	97.1	97.1	97.2	97.3	97.4
IV 900	23.2	74.6	85.4	91.2	94.9	95.1	96.3	96.6	96.7	97.1	97.1	97.1	97.1	97.2	97.3	97.4
IV 800	23.2	74.7	85.5	91.4	95.2	95.3	96.5	96.8	96.9	97.3	97.3	97.3	97.3	97.4	97.5	97.6
IV 700	23.2	74.7	85.5	91.4	95.2	95.3	96.5	96.8	96.9	97.3	97.3	97.3	97.3	97.4	97.5	97.6
IV 600	23.2	74.7	85.5	91.4	95.2	95.3	96.5	96.8	96.9	97.3	97.3	97.3	97.3	97.4	97.5	97.6
IV 500	23.3	75.0	86.1	92.0	95.9	96.3	97.6	97.9	98.1	98.5	98.5	98.5	98.5	98.6	98.7	98.8
IV 400	23.3	75.0	86.1	92.0	95.9	96.3	97.6	97.9	98.1	98.5	98.5	98.5	98.5	98.6	98.7	98.8
IV 300	23.3	75.0	86.1	92.0	95.9	96.3	97.6	97.9	98.1	98.5	98.5	98.5	98.5	98.6	98.7	98.8
IV 200	23.3	75.0	86.1	92.0	95.9	96.3	97.6	97.9	98.1	98.5	98.5	98.5	98.5	98.6	98.7	98.8
IV 100	23.3	75.0	86.1	92.0	95.9	96.3	97.6	97.9	98.1	98.5	98.5	98.5	98.5	98.6	98.7	98.8
IV 0	23.3	75.0	86.1	92.0	95.9	96.3	97.6	97.9	98.1	98.5	98.5	98.5	98.5	98.6	98.7	98.8

TOTAL NUMBER OF OBSERVATIONS 1643

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

19841  
STATION

WILMINGTON OHIO/CLINTON CU AFB  
STATION NAME

43m45,47m49,53m60,65m67  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300m0500  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	10.8	45.3	53.5	58.1	62.4	62.8	64.9	65.8	65.8	67.0	67.5	67.5	67.7	67.7	67.8	67.8
≥ 20000	12.2	49.7	58.7	62.8	68.2	68.7	70.8	71.8	71.8	73.0	73.5	73.5	73.9	73.9	74.1	74.1
IV 18000	12.5	50.1	59.1	63.9	68.6	69.1	71.2	72.2	72.2	73.4	73.9	73.9	74.2	74.2	74.4	74.4
IV 16000	12.5	50.2	59.2	64.0	68.7	69.2	71.3	72.3	72.3	73.5	74.1	74.1	74.4	74.4	74.6	74.6
IV 14000	12.5	51.1	60.8	65.0	69.7	70.3	72.3	73.3	73.3	74.6	75.1	75.1	75.4	75.4	75.6	75.6
IV 12000	12.6	52.9	61.9	66.2	71.0	72.5	74.7	75.8	75.8	77.2	77.7	77.7	78.0	78.0	78.2	78.2
IV 10000	13.4	54.7	64.7	69.4	73.9	76.0	78.4	79.4	79.4	80.8	81.3	81.3	81.7	81.7	81.9	81.9
IV 9000	13.6	55.3	65.4	71.1	76.0	76.7	79.1	80.2	80.2	81.6	82.1	82.1	82.5	82.5	82.7	82.7
IV 8000	13.7	56.3	66.8	72.7	77.7	78.4	80.8	81.8	81.8	83.2	83.7	83.7	84.1	84.1	84.3	84.3
IV 7000	13.9	57.0	67.8	74.1	79.2	79.9	82.3	83.4	83.4	84.9	85.4	85.4	85.8	85.8	86.0	86.0
IV 6000	14.0	57.5	68.5	74.9	79.9	80.6	83.0	84.2	84.2	85.8	86.3	86.3	86.6	86.6	86.8	86.8
IV 5000	14.1	58.4	69.7	76.3	81.5	82.2	84.7	85.8	85.8	87.4	87.9	87.9	88.3	88.3	88.5	88.5
IV 4500	14.1	58.7	70.0	76.7	82.0	82.7	85.1	86.3	86.3	87.8	88.4	88.4	88.7	88.7	88.9	88.9
IV 4000	14.1	59.1	71.2	78.2	83.5	84.2	86.7	87.8	87.8	89.4	90.0	90.0	90.4	90.4	90.6	90.6
IV 3500	14.1	59.9	71.5	78.8	83.9	84.6	87.1	88.2	88.2	89.9	90.5	90.5	90.9	90.9	91.1	91.1
IV 3000	14.1	59.9	71.8	78.8	84.2	84.9	87.4	88.6	88.6	90.2	90.9	90.9	91.3	91.3	91.5	91.5
IV 2500	14.2	60.9	72.9	80.2	85.8	86.5	89.0	90.2	90.2	92.0	92.5	92.5	92.9	92.9	93.2	93.2
IV 2000	14.4	61.3	73.8	81.1	86.8	87.5	90.0	91.2	91.2	93.0	93.5	93.5	94.0	94.0	94.2	94.2
IV 1800	14.4	61.6	74.2	81.5	87.2	87.9	90.5	91.7	91.7	93.5	94.1	94.1	94.5	94.5	94.7	94.7
IV 1500	14.4	62.2	74.7	82.0	87.6	88.3	91.1	92.3	92.3	94.1	94.7	94.7	95.1	95.1	95.4	95.4
IV 1200	14.4	62.3	74.8	82.2	88.0	88.7	91.5	92.7	92.7	94.5	95.1	95.1	95.5	95.5	95.8	95.8
IV 1000	14.4	62.4	75.0	82.4	88.4	89.1	92.0	93.2	93.2	95.0	95.6	95.6	96.0	96.0	96.3	96.3
IV 900	14.4	62.4	75.1	82.4	88.5	89.2	92.2	93.4	93.4	95.2	95.8	95.8	96.2	96.2	96.5	96.5
IV 800	14.4	62.5	75.3	82.6	88.8	89.5	92.4	93.7	93.7	95.5	96.1	96.1	96.5	96.5	96.8	96.8
IV 700	14.5	62.5	75.3	82.9	88.9	89.6	92.5	93.9	93.9	95.8	96.3	96.3	96.7	96.7	97.0	97.0
IV 600	14.5	62.7	75.6	83.2	89.2	90.0	92.8	94.1	94.1	96.0	96.6	96.6	97.0	97.0	97.3	97.3
IV 500	14.5	62.8	76.0	83.7	89.8	90.8	93.6	95.1	95.1	97.1	97.7	97.7	98.1	98.1	98.4	98.4
IV 400	14.5	62.8	76.0	83.7	89.8	90.8	93.7	95.2	95.2	97.2	97.8	97.8	98.2	98.2	98.5	98.5
IV 300	14.5	62.8	76.0	83.7	89.9	90.8	93.7	95.3	95.3	97.3	97.9	97.9	98.3	98.3	98.6	98.6
IV 200	14.5	62.8	76.0	83.7	89.9	90.8	93.7	95.3	95.3	97.3	97.9	97.9	98.3	98.3	98.6	98.6
IV 100	14.5	62.8	76.0	83.7	89.9	90.8	93.7	95.3	95.3	97.3	97.9	97.9	98.3	98.3	98.6	98.6
IV 0	14.5	62.8	76.0	83.7	89.9	90.8	94.1	95.5	95.5	97.8	98.4	98.4	98.8	98.8	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 1580



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

23841 WILMINGTON OHIO/CLINTON CO AFB

43-45, 47-49, 53-68

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

66090800  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	10.7	29.2	36.6	41.7	46.1	47.3	50.0	51.0	51.2	52.6	53.0	53.1	53.6	53.6	53.8	53.9
≥ 20000	12.8	36.0	44.8	50.9	57.3	59.2	62.3	63.7	63.9	65.3	65.7	66.1	66.4	66.5	66.9	67.4
IV 18000	12.4	36.3	45.1	51.2	57.6	59.5	62.6	64.0	64.2	65.6	66.0	66.1	66.7	66.8	67.2	67.6
IV 16000	13.0	36.4	45.2	51.4	57.8	59.7	62.8	64.1	64.4	65.7	66.2	66.3	66.9	67.0	67.4	67.8
IV 14000	13.2	37.1	46.1	52.3	59.0	60.9	63.9	65.3	65.3	66.9	67.4	67.5	68.0	68.1	68.5	69.0
IV 12000	13.6	38.9	48.1	54.3	61.3	63.2	66.3	67.8	68.0	69.5	69.9	70.1	70.8	70.7	71.1	71.6
IV 10000	14.0	42.2	52.0	58.6	65.9	68.1	71.4	72.9	73.2	74.7	75.2	75.3	75.9	76.1	76.3	76.9
IV 9000	14.7	42.8	52.0	59.3	66.6	68.8	72.1	73.6	73.9	75.5	75.9	76.1	76.5	76.7	77.1	77.7
IV 8000	15.1	43.6	53.7	60.8	68.0	70.4	73.8	75.3	75.8	77.4	77.8	78.0	78.6	78.6	79.0	79.6
IV 7000	15.3	44.3	54.6	61.8	69.0	71.4	74.9	76.6	76.9	78.6	79.0	79.2	79.7	79.8	80.2	80.8
IV 6000	15.4	44.7	55.2	62.5	69.8	72.3	75.8	77.5	77.8	79.4	79.9	80.0	80.6	80.7	81.1	81.6
IV 5000	15.6	45.7	56.4	63.8	71.3	74.3	78.0	79.9	80.1	81.8	82.3	82.4	83.0	83.0	83.4	84.0
IV 4500	15.8	46.0	56.8	64.2	72.1	75.0	78.7	80.9	80.8	82.7	83.2	83.3	83.9	84.0	84.4	85.0
IV 4000	15.9	46.5	57.6	65.2	73.2	76.2	79.9	81.8	82.1	84.0	84.5	84.6	85.3	85.3	85.7	86.3
IV 3500	15.9	46.9	58.1	65.7	73.8	76.8	80.5	82.4	82.8	84.7	85.1	85.3	86.0	86.0	86.4	87.0
IV 3000	15.8	47.4	58.9	66.6	75.0	78.1	81.9	83.8	84.2	86.1	86.6	86.7	87.4	87.4	87.9	88.4
IV 2500	15.9	48.0	59.5	67.3	75.8	78.9	82.6	84.7	85.1	87.0	87.5	87.6	88.3	88.4	88.8	89.3
IV 2000	16.1	48.6	60.3	68.1	76.9	80.1	84.1	86.0	86.4	88.4	88.9	89.1	89.8	89.8	90.2	90.8
IV 1800	16.1	48.6	60.3	68.2	77.1	80.3	84.3	86.2	86.6	88.6	89.1	89.2	89.9	90.0	90.4	91.0
IV 1500	16.1	48.9	60.7	68.6	77.7	80.9	85.0	86.9	87.3	89.4	90.0	90.2	90.8	90.9	91.3	91.9
IV 1200	16.2	49.2	61.0	69.0	78.3	81.5	85.9	87.9	88.3	90.3	91.0	91.1	91.8	91.8	92.2	92.8
IV 1000	16.2	49.3	61.3	69.8	79.2	82.6	86.7	88.8	89.2	91.2	91.9	92.0	92.7	92.7	93.1	93.7
IV 900	16.2	49.4	61.3	69.7	79.6	83.0	87.2	89.3	89.8	91.8	92.5	92.6	93.3	93.3	93.7	94.3
IV 800	16.2	49.5	61.6	69.8	79.8	83.4	87.6	89.7	90.3	92.3	93.1	93.2	93.9	94.0	94.4	94.9
IV 700	16.2	49.5	61.7	70.1	80.4	84.0	88.3	90.3	91.1	93.3	94.0	94.1	94.8	94.8	95.2	95.9
IV 600	16.2	49.5	61.8	70.2	80.5	84.2	88.7	91.0	91.6	94.0	94.8	94.9	95.6	95.7	96.1	96.7
IV 500	16.2	49.5	61.8	70.2	80.9	84.6	89.3	91.8	92.4	95.0	96.0	96.1	96.8	96.9	97.4	98.0
IV 400	16.2	49.5	61.8	70.2	81.0	84.7	89.5	92.1	92.7	95.3	96.5	96.7	97.4	97.5	98.0	98.7
IV 300	16.2	49.5	61.8	70.4	81.0	84.7	89.5	92.1	92.7	95.3	96.5	96.7	97.4	97.5	98.0	98.7
IV 200	16.2	49.5	61.8	70.4	81.0	84.7	89.5	92.1	92.7	95.3	96.5	96.7	97.4	97.5	98.0	98.7
IV 100	16.2	49.5	61.8	70.4	81.0	84.7	89.5	92.1	92.7	95.3	96.5	96.7	97.4	97.5	98.0	98.7
IV 0	16.2	49.5	61.8	70.4	81.0	84.7	89.5	92.1	92.7	95.3	96.5	96.7	97.4	97.5	98.0	98.7

TOTAL NUMBER OF OBSERVATIONS 1737

DATA PROCESSING DIVISION  
ETAC, USAF  
ASREVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

1954: WILMINGTON OHIO/CLINTON CU AFN

43-45, 47-49, 53-68

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS T. S. T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	20.8	41.4	45.3	47.8	49.0	49.2	49.3	49.4	49.4	49.4	49.5	49.5	49.5	49.5	49.5	49.5
IV 20000	25.7	51.7	57.4	61.3	63.3	63.6	63.7	63.8	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9
IV 18000	25.7	51.8	57.5	61.4	63.3	63.6	63.7	63.8	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9
IV 16000	25.7	52.0	57.8	61.7	63.7	63.9	64.0	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 14000	25.8	52.7	58.6	62.5	64.4	64.7	64.8	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 12000	26.3	55.0	61.1	65.1	67.0	67.3	67.4	67.5	67.5	67.6	67.7	67.7	67.7	67.7	67.7	67.7
IV 10000	27.7	58.1	64.3	68.7	70.8	71.2	71.3	71.5	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6
IV 9000	27.9	58.7	65.2	69.4	71.4	71.9	72.1	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 8000	28.3	59.7	66.3	70.7	73.0	73.5	73.7	73.9	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0
IV 7000	28.7	60.7	67.4	72.0	74.4	74.9	75.1	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4
IV 6000	29.7	61.2	68.2	72.8	75.2	75.7	76.1	76.3	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.4
IV 5000	29.1	62.6	69.8	74.7	77.3	78.0	78.4	78.9	78.9	78.9	79.2	79.2	79.2	79.2	79.2	79.2
IV 4500	29.2	63.0	70.3	75.2	77.9	78.5	78.9	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2
IV 4000	29.8	64.4	71.8	76.7	79.4	80.1	80.5	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 3500	30.0	65.2	72.8	77.9	80.7	81.4	81.9	82.1	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2
IV 3000	30.6	66.6	74.3	79.4	82.4	83.2	83.7	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 2500	30.8	68.0	75.9	81.1	84.2	85.0	85.6	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 2000	31.9	70.2	78.5	83.9	87.1	87.9	88.5	88.6	88.6	88.7	88.8	88.8	88.8	88.8	88.8	88.8
IV 1800	32.0	70.3	78.8	84.3	87.5	88.3	88.9	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 1500	32.4	71.2	79.9	85.7	89.1	89.9	90.6	90.8	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9
IV 1200	32.3	72.0	81.0	87.2	90.9	91.8	92.4	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7
IV 1000	32.6	72.3	82.2	88.7	92.6	93.6	94.4	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7
IV 900	32.6	72.6	82.4	89.1	93.3	94.3	95.4	95.3	95.3	95.3	95.6	95.6	95.6	95.6	95.6	95.6
IV 800	32.6	72.6	82.5	89.4	93.8	94.1	96.2	96.4	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5
IV 700	32.6	72.6	82.6	89.8	94.4	95.8	97.2	97.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7
IV 600	32.6	72.8	82.9	90.0	95.1	96.6	98.1	98.3	98.3	98.3	98.8	98.8	98.8	98.8	98.8	98.8
IV 500	32.6	72.8	82.9	90.1	95.2	96.7	98.4	98.5	98.5	98.5	99.1	99.1	99.1	99.1	99.1	99.1
IV 400	32.6	72.8	82.9	90.1	95.2	96.8	98.4	98.5	98.5	98.5	99.1	99.1	99.1	99.1	99.1	99.1
IV 300	32.6	72.8	82.9	90.1	95.2	96.8	98.5	98.5	98.5	98.5	99.1	99.1	99.1	99.1	99.1	99.1
IV 200	32.6	72.8	82.9	90.1	95.2	96.8	98.5	98.5	98.5	98.5	99.1	99.1	99.1	99.1	99.1	99.1
IV 100	32.6	72.8	82.9	90.1	95.2	96.8	98.5	98.5	98.5	98.5	99.1	99.1	99.1	99.1	99.1	99.1
IV 0	32.6	72.8	82.9	90.1	95.2	96.8	98.5	98.5	98.5	98.5	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 1929

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION MADE

43-45, 47-49, 53-68  
YEARS

AUG  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS CL 3 17

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	21.3	36.7	38.5	39.4	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
IV 18000 16000	29.8	50.3	53.6	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 14000 12000	30.2	51.9	55.1	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 10000 9000	32.2	56.3	59.9	61.3	61.9	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 8000 7000	33.1	57.7	61.3	63.4	64.0	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
IV 6000 5000	33.9	59.2	63.6	65.2	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 4500 4000	34.3	62.3	67.6	69.2	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 3500 3000	38.3	69.9	73.6	77.6	78.7	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 2500 2000	42.0	77.2	84.5	87.2	88.7	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 1800 1500	43.3	81.3	89.5	92.9	94.3	94.7	95.0	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 1200 1000	43.9	82.7	91.0	94.7	96.3	96.9	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 900 800	44.0	83.4	92.1	96.0	98.1	98.6	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 700 600	44.0	83.4	92.3	96.2	98.4	99.0	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500 400	44.0	83.4	92.3	96.2	98.3	99.0	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300 200	44.0	83.4	92.3	96.2	98.3	99.0	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100 0	44.0	83.4	92.3	96.2	98.3	99.0	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

1941

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841

WILMINGTON OHIO/CLINTON CU AFB

43-45, 47-49, 53-68

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS LT S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	0
NO CEILING ≥ 20000	24.2	40.9	43.5	44.3	44.8	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 18000 16000	34.1	57.1	61.5	62.8	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 14000 12000	34.1	57.1	61.5	62.8	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 10000 9000	36.1	61.9	66.9	68.5	69.9	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 8000 7000	37.2	62.7	69.0	70.8	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 6000 5000	38.4	63.6	71.2	73.0	74.5	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 4500 4000	39.8	64.1	73.2	75.1	76.6	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 3500 3000	41.8	65.4	75.4	77.1	78.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 2500 2000	43.4	66.2	77.0	78.8	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 1800 1500	45.5	68.0	80.1	82.3	84.1	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 1200 1000	45.7	68.3	81.5	83.8	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 900 800	45.7	68.4	81.6	83.9	85.8	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 700 600	45.7	68.4	81.7	84.1	86.0	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 500 400	45.7	68.4	81.7	84.1	86.0	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 300 200	45.7	68.4	81.7	84.1	86.0	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 100 0	45.7	68.4	81.7	84.1	86.0	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6

TOTAL NUMBER OF OBSERVATIONS 2028

DATA PROCESSING DIVISION  
 HTAG, USAF  
 ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
 STATION

WILMINGTON OHIO/CLINTON CO ARB  
 STATION NAME

43-45-47-49-53-68  
 YEARS

AUG  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1800-1800  
 HOURS (G.S.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 4	≥ 3	≥ 2	≥ 1 1/2	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 0
NO CEILING ≥ 20000	25.3	46.4	50.2	52.1	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.3
IV 18000	23.6	42.2	45.1	47.0	47.8	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.7
IV 16000	33.0	62.2	68.1	70.9	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.7
IV 14000	34.0	62.1	69.3	72.1	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.0
IV 12000	34.9	62.1	71.9	74.8	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.9
IV 10000	35.9	67.1	75.0	78.4	80.5	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.0
IV 9000	36.0	68.2	75.5	79.0	81.2	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.7
IV 8000	36.0	69.1	77.4	80.9	83.2	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	84.0
IV 7000	37.0	70.9	78.7	82.2	84.5	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.5
IV 6000	37.1	71.5	79.4	82.9	85.3	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.2
IV 5000	37.0	72.8	80.5	84.0	86.4	87.0	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.4
IV 4500	37.0	72.9	81.2	84.7	87.2	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.2
IV 4000	37.0	74.8	83.4	87.2	89.8	90.4	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.9
IV 3500	39.1	76.2	85.1	89.2	91.9	92.5	92.7	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.1
IV 3000	39.9	77.2	86.5	90.1	93.9	94.5	94.8	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.3
IV 2500	39.4	78.2	87.5	92.2	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.7
IV 2000	39.4	78.0	88.2	92.1	96.2	97.0	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.9
IV 1800	39.5	78.0	88.2	92.1	96.2	97.0	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.9
IV 1500	39.5	78.7	88.4	92.5	96.8	97.6	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.9
IV 1200	39.5	78.4	88.7	92.7	97.2	98.0	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.3
IV 1000	39.0	79.1	88.8	92.9	97.4	98.2	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.4
IV 900	39.0	79.1	88.8	92.9	97.4	98.2	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.4
IV 800	39.0	79.1	88.8	92.9	97.4	98.2	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.4
IV 700	39.0	79.2	89.0	94.0	97.5	98.3	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.6
IV 600	39.0	79.2	89.0	94.0	97.5	98.3	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.6
IV 500	39.0	79.2	89.0	94.0	97.5	98.3	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.6
IV 400	39.0	79.2	89.0	94.0	97.5	98.3	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.6
IV 300	39.0	79.2	89.0	94.0	97.5	98.3	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.6
IV 200	39.0	79.2	89.0	94.0	97.5	98.3	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.6
IV 100	39.0	79.2	89.0	94.0	97.5	98.3	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.6
IV 0	39.0	79.2	89.0	94.0	97.5	98.3	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.6

TOTAL NUMBER OF OBSERVATIONS 1980

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13041  
STATION

WILMINGTON OHIO/CLINTON CU AFB  
STATION NAME

43-45, 47-49, 53-60  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (L. S. T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	25,9	56,0	59,3	62,2	63,7	64,0	64,3	64,4	64,4	64,4	64,4	64,4	64,4	64,4	64,5	64,5
≥ 20000	29,7	64,1	71,4	75,0	76,7	76,9	77,2	77,3	77,3	77,4	77,4	77,4	77,4	77,4	77,5	77,5
IV 18000	29,7	64,2	71,5	75,1	76,8	77,1	77,4	77,4	77,4	77,5	77,5	77,5	77,5	77,5	77,6	77,6
IV 16000	29,7	64,2	71,6	75,2	76,9	77,1	77,5	77,5	77,5	77,6	77,6	77,6	77,6	77,6	77,7	77,7
IV 14000	29,9	65,1	72,5	76,1	77,8	78,0	78,4	78,4	78,4	78,5	78,5	78,5	78,5	78,5	78,6	78,6
IV 12000	30,7	67,2	74,9	78,6	80,4	80,6	81,0	81,0	81,0	81,1	81,1	81,1	81,1	81,1	81,2	81,2
IV 10000	31,4	69,9	78,0	82,1	84,3	84,7	85,1	85,1	85,1	85,2	85,2	85,2	85,2	85,2	85,3	85,3
IV 9000	31,6	70,5	78,8	82,9	85,2	85,6	85,9	86,0	86,0	86,1	86,1	86,1	86,1	86,1	86,2	86,2
IV 8000	31,9	71,7	80,1	84,2	86,6	87,0	87,3	87,4	87,4	87,6	87,6	87,6	87,6	87,6	87,6	87,7
IV 7000	32,1	72,5	81,0	85,3	87,6	88,0	88,4	88,5	88,5	88,6	88,6	88,6	88,6	88,6	88,7	88,7
IV 6000	32,1	72,4	81,3	85,6	87,9	88,2	88,7	88,8	88,8	88,9	88,9	88,9	88,9	88,9	89,0	89,1
IV 5000	32,4	72,8	82,4	86,7	89,0	89,4	89,8	89,9	89,9	90,0	90,0	90,0	90,0	90,0	90,1	90,2
IV 4500	32,5	73,1	82,5	86,8	89,1	89,5	89,9	90,0	90,0	90,2	90,2	90,2	90,2	90,2	90,3	90,3
IV 4000	33,1	75,2	84,5	88,9	91,4	91,8	92,2	92,3	92,3	92,5	92,5	92,5	92,5	92,5	92,6	92,6
IV 3500	33,4	76,0	85,3	90,0	92,6	93,1	93,5	93,6	93,6	93,7	93,7	93,7	93,7	93,7	93,8	93,9
IV 3000	33,7	77,3	86,8	91,8	94,6	95,1	95,5	95,6	95,6	95,9	95,9	95,9	95,9	95,9	96,0	96,0
IV 2500	33,7	78,2	87,7	93,0	95,8	96,2	96,6	96,8	96,8	97,1	97,1	97,1	97,1	97,1	97,2	97,2
IV 2000	33,7	78,3	88,1	93,3	96,2	96,6	97,1	97,3	97,3	97,5	97,5	97,5	97,5	97,5	97,6	97,7
IV 1800	33,7	78,3	88,1	93,3	96,2	96,6	97,1	97,3	97,3	97,5	97,5	97,5	97,5	97,5	97,6	97,7
IV 1500	33,6	78,4	88,3	93,6	96,6	97,2	97,6	97,8	97,8	98,1	98,1	98,1	98,1	98,1	98,2	98,2
IV 1200	33,9	78,7	88,6	94,0	96,9	97,5	98,0	98,2	98,2	98,4	98,4	98,4	98,4	98,4	98,5	98,6
IV 1000	33,9	78,7	88,7	94,1	97,1	97,6	98,1	98,3	98,3	98,6	98,6	98,6	98,6	98,6	98,7	98,7
IV 900	33,9	78,9	88,7	94,1	97,1	97,7	98,2	98,4	98,4	98,7	98,7	98,7	98,7	98,7	98,8	98,8
IV 800	33,9	78,9	88,7	94,1	97,3	97,9	98,4	98,6	98,6	98,9	98,9	98,9	98,9	98,9	99,0	99,0
IV 700	33,9	78,9	88,8	94,1	97,4	97,9	98,5	98,8	98,8	99,0	99,0	99,0	99,0	99,0	99,1	99,2
IV 600	33,9	78,9	88,8	94,2	97,3	98,1	99,0	99,2	99,2	99,5	99,5	99,5	99,5	99,5	99,6	99,6
IV 500	33,9	78,9	88,8	94,2	97,3	98,1	99,0	99,2	99,2	99,5	99,5	99,5	99,5	99,5	99,6	99,6
IV 400	33,9	78,9	88,8	94,2	97,3	98,1	99,0	99,2	99,2	99,5	99,5	99,5	99,5	99,5	99,6	99,6
IV 300	33,9	78,9	88,8	94,2	97,3	98,1	99,0	99,2	99,2	99,5	99,5	99,5	99,5	99,5	99,6	99,6
IV 200	33,9	78,9	88,8	94,2	97,6	98,2	99,2	99,5	99,5	99,7	99,7	99,7	99,7	99,7	99,8	99,9
IV 100	33,9	78,9	88,8	94,2	97,6	98,2	99,2	99,5	99,5	99,7	99,7	99,7	99,7	99,7	99,8	99,9
IV 0	33,9	78,9	88,8	94,2	97,6	98,2	99,2	99,5	99,5	99,7	99,7	99,7	99,7	99,7	99,8	99,9

TOTAL NUMBER OF OBSERVATIONS 1967

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N.C. 28801

# CEILING VERSUS VISIBILITY

13841

WILMINGTON OHIO/CLINTON CO APB

43-45, 47-49, 53-58

AUG

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 5/8	≥ 1/2
NO CEILING	20.1	63.7	48.5	51.2	53.0	53.4	54.0	54.3	54.3	54.3	54.6	54.7	54.7	54.8	54.8	54.9
≥ 20000	25.4	94.4	60.7	64.0	66.4	66.9	67.6	67.9	67.9	68.1	68.3	68.4	68.4	68.5	68.6	68.7
≥ 18000	25.5	94.4	60.8	64.2	66.6	67.0	67.7	68.0	68.1	68.2	68.3	68.4	68.4	68.5	68.6	68.7
≥ 16000	25.5	94.4	61.0	64.3	66.8	67.2	67.7	68.2	68.3	68.4	68.5	68.6	68.6	68.7	68.8	68.9
≥ 14000	25.7	93.3	61.9	63.2	67.7	69.1	68.8	69.1	69.2	69.3	69.3	69.7	69.7	69.8	69.9	70.0
≥ 12000	26.4	97.3	64.1	67.1	70.2	70.7	71.4	71.7	71.8	72.2	72.3	72.3	72.4	72.4	72.5	72.6
≥ 10000	27.3	98.0	67.2	71.1	73.9	74.4	75.2	75.6	75.6	75.6	75.6	75.7	75.7	75.8	75.8	75.9
≥ 9000	27.3	98.0	67.2	71.1	73.9	74.4	75.2	75.6	75.6	75.6	75.6	75.7	75.7	75.8	75.8	75.9
≥ 8000	27.3	98.0	67.2	71.1	73.9	74.4	75.2	75.6	75.6	75.6	75.6	75.7	75.7	75.8	75.8	75.9
≥ 7000	28.3	98.6	70.4	74.3	77.3	78.1	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 6000	28.3	98.6	70.4	74.3	77.3	78.1	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 5000	28.3	98.6	70.4	74.3	77.3	78.1	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4500	29.0	98.6	73.2	77.1	80.7	81.4	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 4000	29.0	98.6	73.2	77.1	80.7	81.4	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 3500	30.2	98.6	77.0	81.7	85.1	85.8	86.8	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 3000	31.0	98.6	78.7	83.7	87.2	88.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 2500	31.8	98.6	80.0	85.7	89.4	90.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2000	31.8	98.6	80.0	85.7	89.4	90.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1800	31.8	98.6	80.0	85.7	89.4	90.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1500	32.0	98.6	82.9	88.9	92.4	93.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1200	32.0	98.6	82.9	88.9	92.4	93.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1000	32.1	98.6	83.4	89.3	93.0	94.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 900	32.1	98.6	83.4	89.3	93.0	94.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 800	32.1	98.6	83.4	89.3	93.0	94.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 700	32.1	98.6	83.4	89.3	93.0	94.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 600	32.1	98.6	83.4	89.3	93.0	94.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 500	32.1	98.6	83.4	89.3	93.0	94.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 400	32.1	98.6	83.4	89.3	93.0	94.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 300	32.1	98.6	83.4	89.3	93.0	94.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 200	32.1	98.6	83.4	89.3	93.0	94.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 100	32.1	98.6	83.4	89.3	93.0	94.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 0	32.1	98.6	83.4	89.3	93.0	94.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0

TOTAL NUMBER OF OBSERVATIONS 14805



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

42-49, 53-60, 63-67  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 1/4	≥ 0	≥ 0
NO CEILING	32.8	58.2	62.4	64.1	65.6	65.8	66.0	66.2	66.3	66.4	66.4	66.5	66.5	66.6	66.6	67.1
≥ 20000	34.7	62.2	67.7	69.4	70.9	71.1	71.4	71.6	71.7	71.8	71.9	71.9	72.0	72.0	72.2	72.8
IV 18000	34.7	62.2	67.7	69.4	70.9	71.1	71.4	71.6	71.7	71.8	71.9	71.9	72.0	72.0	72.2	72.8
IV 16000	34.7	62.2	67.7	69.4	70.9	71.1	71.4	71.6	71.7	71.8	71.9	71.9	72.0	72.0	72.2	72.8
IV 14000	34.7	62.2	67.7	69.4	70.9	71.1	71.4	71.6	71.7	71.8	71.9	71.9	72.0	72.0	72.2	72.8
IV 12000	34.7	62.2	67.7	69.4	70.9	71.1	71.4	71.6	71.7	71.8	71.9	71.9	72.0	72.0	72.2	72.8
IV 10000	34.7	62.2	67.7	69.4	70.9	71.1	71.4	71.6	71.7	71.8	71.9	71.9	72.0	72.0	72.2	72.8
IV 9000	34.7	62.2	67.7	69.4	70.9	71.1	71.4	71.6	71.7	71.8	71.9	71.9	72.0	72.0	72.2	72.8
IV 8000	34.7	62.2	67.7	69.4	70.9	71.1	71.4	71.6	71.7	71.8	71.9	71.9	72.0	72.0	72.2	72.8
IV 7000	34.7	62.2	67.7	69.4	70.9	71.1	71.4	71.6	71.7	71.8	71.9	71.9	72.0	72.0	72.2	72.8
IV 6000	34.7	62.2	67.7	69.4	70.9	71.1	71.4	71.6	71.7	71.8	71.9	71.9	72.0	72.0	72.2	72.8
IV 5000	34.7	62.2	67.7	69.4	70.9	71.1	71.4	71.6	71.7	71.8	71.9	71.9	72.0	72.0	72.2	72.8
IV 4500	34.7	62.2	67.7	69.4	70.9	71.1	71.4	71.6	71.7	71.8	71.9	71.9	72.0	72.0	72.2	72.8
IV 4000	34.7	62.2	67.7	69.4	70.9	71.1	71.4	71.6	71.7	71.8	71.9	71.9	72.0	72.0	72.2	72.8
IV 3500	34.7	62.2	67.7	69.4	70.9	71.1	71.4	71.6	71.7	71.8	71.9	71.9	72.0	72.0	72.2	72.8
IV 3000	34.7	62.2	67.7	69.4	70.9	71.1	71.4	71.6	71.7	71.8	71.9	71.9	72.0	72.0	72.2	72.8
IV 2500	34.7	62.2	67.7	69.4	70.9	71.1	71.4	71.6	71.7	71.8	71.9	71.9	72.0	72.0	72.2	72.8
IV 2000	34.7	62.2	67.7	69.4	70.9	71.1	71.4	71.6	71.7	71.8	71.9	71.9	72.0	72.0	72.2	72.8
IV 1800	34.7	62.2	67.7	69.4	70.9	71.1	71.4	71.6	71.7	71.8	71.9	71.9	72.0	72.0	72.2	72.8
IV 1500	34.7	62.2	67.7	69.4	70.9	71.1	71.4	71.6	71.7	71.8	71.9	71.9	72.0	72.0	72.2	72.8
IV 1200	34.7	62.2	67.7	69.4	70.9	71.1	71.4	71.6	71.7	71.8	71.9	71.9	72.0	72.0	72.2	72.8
IV 1000	34.7	62.2	67.7	69.4	70.9	71.1	71.4	71.6	71.7	71.8	71.9	71.9	72.0	72.0	72.2	72.8
IV 900	34.7	62.2	67.7	69.4	70.9	71.1	71.4	71.6	71.7	71.8	71.9	71.9	72.0	72.0	72.2	72.8
IV 800	34.7	62.2	67.7	69.4	70.9	71.1	71.4	71.6	71.7	71.8	71.9	71.9	72.0	72.0	72.2	72.8
IV 700	34.7	62.2	67.7	69.4	70.9	71.1	71.4	71.6	71.7	71.8	71.9	71.9	72.0	72.0	72.2	72.8
IV 600	34.7	62.2	67.7	69.4	70.9	71.1	71.4	71.6	71.7	71.8	71.9	71.9	72.0	72.0	72.2	72.8
IV 500	34.7	62.2	67.7	69.4	70.9	71.1	71.4	71.6	71.7	71.8	71.9	71.9	72.0	72.0	72.2	72.8
IV 400	34.7	62.2	67.7	69.4	70.9	71.1	71.4	71.6	71.7	71.8	71.9	71.9	72.0	72.0	72.2	72.8
IV 300	34.7	62.2	67.7	69.4	70.9	71.1	71.4	71.6	71.7	71.8	71.9	71.9	72.0	72.0	72.2	72.8
IV 200	34.7	62.2	67.7	69.4	70.9	71.1	71.4	71.6	71.7	71.8	71.9	71.9	72.0	72.0	72.2	72.8
IV 100	34.7	62.2	67.7	69.4	70.9	71.1	71.4	71.6	71.7	71.8	71.9	71.9	72.0	72.0	72.2	72.8
IV 0	34.7	62.2	67.7	69.4	70.9	71.1	71.4	71.6	71.7	71.8	71.9	71.9	72.0	72.0	72.2	72.8

TOTAL NUMBER OF OBSERVATIONS 1688



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

12841  
STATION

WILMINGTON OHIO/CLINTON CU AFB

43-49, 85-60, 64-67  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	26.3	51.3	56.3	58.6	60.4	60.5	61.6	61.8	61.9	62.6	62.8	62.8	63.1	63.2	63.2	63.6
≥ 20000	28.0	52.3	60.7	62.1	65.0	65.2	66.2	66.5	66.6	67.2	67.4	67.4	67.8	68.1	68.2	68.8
≥ 18000	28.0	52.3	60.7	62.1	65.0	65.2	66.2	66.5	66.6	67.2	67.4	67.4	67.8	68.1	68.2	68.8
≥ 16000	28.0	52.3	60.7	62.1	65.0	65.2	66.2	66.5	66.6	67.2	67.4	67.4	67.8	68.1	68.2	68.8
≥ 14000	28.0	52.3	60.7	62.1	65.0	65.2	66.2	66.5	66.6	67.2	67.4	67.4	67.8	68.1	68.2	68.8
≥ 12000	28.0	52.3	60.7	62.1	65.0	65.2	66.2	66.5	66.6	67.2	67.4	67.4	67.8	68.1	68.2	68.8
≥ 10000	29.5	56.8	66.7	69.6	71.8	72.0	73.0	73.3	73.4	74.2	74.2	74.2	74.6	74.7	75.0	75.7
≥ 9000	29.5	56.8	66.7	69.6	71.8	72.0	73.0	73.3	73.4	74.2	74.2	74.2	74.6	74.7	75.0	75.7
≥ 8000	30.2	63.3	69.8	72.8	75.0	75.2	76.3	76.5	76.7	77.4	77.6	77.6	77.9	78.1	78.3	79.0
≥ 7000	30.9	64.7	71.5	74.7	77.0	77.2	78.4	78.7	78.7	79.3	79.5	79.5	80.0	80.1	80.3	81.0
≥ 6000	31.0	65.3	72.3	75.3	78.2	78.4	79.6	79.9	80.0	80.9	81.0	81.0	81.4	81.5	81.7	82.4
≥ 5000	31.6	66.3	73.2	77.5	80.1	80.4	81.6	81.9	82.0	82.9	83.0	83.0	83.4	83.5	83.8	84.5
≥ 4500	31.9	67.0	74.6	78.4	80.9	81.1	82.4	82.7	82.7	83.7	83.8	83.8	84.1	84.3	84.5	85.2
≥ 4000	31.7	67.7	73.5	75.5	82.2	82.5	83.7	84.1	84.2	85.1	85.2	85.2	85.6	85.7	86.0	86.7
≥ 3500	31.8	68.8	76.7	80.7	83.3	83.5	84.8	85.2	85.3	86.2	86.4	86.4	86.7	86.8	87.1	87.8
≥ 3000	31.8	69.7	77.9	82.2	85.0	85.2	86.3	87.0	87.1	88.0	88.1	88.1	88.5	88.6	88.9	89.6
≥ 2500	31.8	70.3	78.8	83.2	86.1	86.4	87.0	88.2	88.3	89.2	89.4	89.4	89.7	89.8	90.1	90.8
≥ 2000	31.8	70.6	79.3	83.7	86.6	86.8	87.1	88.4	88.5	89.1	90.0	90.2	90.2	90.3	90.9	91.6
≥ 1800	31.8	70.7	79.4	83.8	87.0	87.3	88.6	89.2	89.3	90.2	90.4	90.4	90.7	90.8	91.1	91.8
≥ 1500	32.0	71.4	80.3	85.0	88.2	88.4	89.7	90.4	90.5	91.4	91.5	91.5	91.9	92.0	92.3	93.0
≥ 1200	32.0	72.1	81.6	86.4	89.6	89.9	91.1	91.8	91.9	92.9	93.1	93.1	93.4	93.5	93.8	94.5
≥ 1000	32.1	72.5	82.1	86.8	90.2	90.4	91.7	92.3	92.4	93.4	93.6	93.6	94.0	94.1	94.3	95.1
≥ 900	32.1	72.5	82.3	87.2	90.6	90.8	92.1	92.8	92.9	93.9	94.1	94.1	94.5	94.6	94.8	95.6
≥ 800	32.1	72.5	82.3	87.3	90.7	91.1	92.4	93.1	93.2	94.2	94.4	94.4	94.8	94.9	95.1	95.9
≥ 700	32.1	72.6	82.7	87.7	91.1	91.3	92.6	93.3	93.4	94.4	94.6	94.6	95.0	95.1	95.3	96.1
≥ 600	32.1	72.9	83.1	88.1	91.6	91.9	93.3	94.0	94.1	95.1	95.3	95.3	95.8	95.9	96.0	96.7
≥ 500	32.1	73.0	83.4	88.7	92.3	92.6	94.0	94.8	95.0	95.9	96.2	96.2	96.6	96.7	96.9	97.7
≥ 400	32.1	73.0	83.4	88.8	92.7	93.1	94.8	95.6	95.6	96.7	97.0	97.0	97.4	97.5	97.8	98.5
≥ 300	32.1	73.0	83.4	88.8	92.7	93.1	94.8	95.6	95.6	96.7	97.0	97.0	97.4	97.5	97.8	98.5
≥ 200	32.1	73.0	83.4	88.8	92.7	93.1	94.8	95.6	95.6	96.7	97.0	97.0	97.4	97.5	97.8	98.5
≥ 100	32.1	73.0	83.4	88.8	92.7	93.1	94.8	95.6	95.6	96.7	97.0	97.0	97.4	97.5	97.8	98.5
≥ 0	32.1	73.0	83.4	88.8	92.7	93.1	94.8	95.6	95.6	96.7	97.0	97.0	97.4	97.5	97.8	98.5

TOTAL NUMBER OF OBSERVATIONS 1627

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

43-49, 53-60, 63-68  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	18.9	36.1	42.1	45.0	47.7	48.5	49.8	50.4	50.5	51.0	51.3	51.3	51.6	51.8	52.1	52.2
≥ 20000	21.7	43.1	49.1	53.4	56.9	57.7	59.3	59.8	59.9	60.5	60.8	60.8	61.1	61.4	61.8	62.0
IV 18000	21.7	43.2	49.1	53.4	56.9	57.7	59.3	59.9	60.0	60.6	60.8	60.8	61.1	61.4	61.8	62.0
IV 16000	21.6	43.4	49.4	53.7	57.2	58.0	59.6	60.1	60.2	60.8	61.1	61.1	61.5	61.7	62.1	62.3
IV 14000	22.0	44.2	50.1	54.5	58.0	58.8	60.4	61.0	61.1	61.7	62.0	62.0	62.4	62.6	63.0	63.2
IV 12000	22.0	46.0	52.1	56.8	60.7	61.5	63.2	63.8	63.9	64.6	64.9	64.9	65.5	65.9	66.1	66.1
IV 10000	23.3	48.4	54.8	59.6	63.8	64.8	66.7	67.3	67.4	68.1	68.3	68.3	68.8	69.0	69.4	69.6
IV 9000	23.3	49.1	55.6	60.4	64.9	65.9	67.9	68.6	68.8	69.4	69.7	69.7	70.3	70.7	70.9	70.9
IV 8000	24.7	50.9	57.5	62.6	67.6	68.8	70.8	71.5	71.6	72.2	72.5	72.8	72.9	73.2	73.6	73.9
IV 7000	25.2	52.4	59.5	64.6	69.7	71.0	73.2	73.9	74.0	74.7	75.0	75.0	75.5	75.7	76.1	76.4
IV 6000	25.5	53.3	60.8	66.1	71.2	72.5	74.7	75.4	75.5	76.2	76.5	76.5	76.9	77.2	77.6	77.9
IV 5000	25.9	54.1	62.0	67.5	72.8	74.3	76.5	77.2	77.4	78.0	78.3	78.3	78.8	79.0	79.4	79.8
IV 4500	26.0	54.3	62.4	67.9	73.5	74.9	77.2	77.9	78.0	78.7	79.1	79.1	79.5	79.8	80.2	80.5
IV 4000	26.4	56.2	64.3	70.0	75.5	77.1	79.4	80.2	80.3	81.0	81.4	81.4	81.8	82.1	82.5	82.8
IV 3500	26.7	57.1	65.9	71.1	76.7	78.3	80.6	81.4	81.5	82.2	82.6	82.6	83.0	83.3	83.7	84.0
IV 3000	26.8	57.9	66.3	72.4	78.3	79.8	82.1	83.0	83.1	83.8	84.1	84.1	84.6	84.8	85.1	85.6
IV 2500	26.8	58.7	67.3	73.6	79.6	81.3	83.5	84.4	84.5	85.2	85.7	85.7	86.1	86.4	86.8	87.1
IV 2000	26.8	59.1	67.8	74.1	80.3	81.9	84.2	85.1	85.2	86.0	86.5	86.5	86.9	87.2	87.6	87.9
IV 1800	26.8	59.2	67.8	74.2	80.3	81.9	84.2	85.1	85.2	86.0	86.5	86.5	86.9	87.2	87.6	88.0
IV 1500	26.9	59.7	68.5	74.9	81.1	82.8	85.3	86.2	86.3	87.2	87.6	87.6	88.1	88.3	88.7	89.0
IV 1200	26.9	60.0	69.0	75.8	82.1	83.8	86.4	87.3	87.4	88.2	88.8	88.8	89.3	89.5	89.9	90.3
IV 1000	27.2	60.8	70.1	76.9	83.4	85.2	87.7	88.8	88.9	89.7	90.2	90.2	90.8	91.1	91.5	91.8
IV 900	27.2	61.0	70.3	77.3	83.9	85.7	88.4	89.4	89.5	90.4	90.9	90.9	91.5	91.7	92.1	92.5
IV 800	27.2	61.2	70.8	77.9	84.5	86.3	89.3	90.3	90.4	91.3	91.9	92.0	92.4	92.7	93.1	93.4
IV 700	27.3	61.4	71.0	78.2	84.9	86.9	89.8	90.8	91.0	91.9	92.5	92.6	93.1	93.3	93.7	94.0
IV 600	27.3	61.6	71.2	78.5	85.6	87.8	90.9	92.1	92.3	93.2	93.7	93.7	94.3	94.5	94.9	95.3
IV 500	27.3	61.8	71.4	78.8	86.1	88.4	91.6	92.8	93.0	94.2	94.7	94.7	95.3	95.5	95.9	96.6
IV 400	27.3	61.9	71.7	79.2	86.6	88.9	92.3	93.6	93.8	94.9	95.7	95.8	96.4	96.6	97.0	97.4
IV 300	27.3	61.9	71.7	79.2	86.8	89.2	92.7	94.2	94.3	95.5	96.4	96.5	97.2	97.4	97.8	98.2
IV 200	27.3	61.9	71.7	79.2	86.8	89.2	92.9	94.3	94.5	95.9	96.8	96.9	97.6	97.9	98.3	98.8
IV 100	27.3	62.0	71.7	79.2	86.8	89.2	92.9	94.3	94.5	95.9	96.8	96.9	97.6	97.9	98.4	99.0
IV 0	27.3	62.0	71.7	79.2	86.8	89.2	92.9	94.3	94.5	95.9	96.8	96.9	97.6	97.9	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS

1794

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28601

## CEILING VERSUS VISIBILITY

12841 STATION WILMINGTON OHIO/CLINTON CV AFB

43-49-53-66

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING ≥ 20000	29.5	43.0	46.0	48.2	49.3	49.5	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 18000	34.9	31.8	35.5	38.2	39.7	39.9	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 16000	35.0	31.9	35.6	38.3	39.8	40.0	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 14000	35.0	31.9	35.6	38.3	39.8	40.0	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 12000	35.9	33.2	36.9	39.6	41.2	41.4	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
≥ 10000	36.9	35.3	39.3	42.0	43.7	43.9	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 9000	38.2	38.9	42.6	45.7	47.6	47.9	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 8000	38.8	39.9	43.5	46.7	48.6	49.0	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 7000	39.7	41.4	45.2	48.7	50.7	51.0	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 6000	40.0	42.5	46.5	50.2	52.3	52.7	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 5000	40.9	42.8	47.0	50.7	52.9	53.4	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 4500	40.8	43.3	47.5	51.2	53.5	54.0	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 4000	41.0	44.2	48.6	52.7	55.1	55.7	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 3500	41.5	45.3	50.0	53.8	56.3	57.0	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 3000	41.9	46.6	51.5	55.3	57.9	58.7	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 2500	42.6	47.9	53.0	56.8	59.5	60.3	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 2000	43.4	49.9	54.8	58.6	61.4	62.2	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 1800	43.9	50.6	55.5	59.3	62.1	63.0	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 1500	44.0	70.7	76.9	81.5	85.0	86.0	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 1200	44.1	72.0	78.3	83.2	86.7	87.8	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 1000	44.8	72.8	79.3	84.6	88.1	89.2	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 900	44.9	73.9	80.5	85.9	89.4	90.5	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 800	44.9	74.9	81.5	87.3	90.8	91.9	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 700	44.9	74.9	81.5	87.3	90.8	91.9	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 600	44.9	74.9	81.5	87.3	90.8	91.9	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 500	44.9	74.9	81.5	87.3	90.8	91.9	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 400	44.9	74.9	81.5	87.3	90.8	91.9	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 300	44.9	74.9	81.5	87.3	90.8	91.9	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 200	44.9	74.9	81.5	87.3	90.8	91.9	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 100	44.9	74.9	81.5	87.3	90.8	91.9	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 0	44.9	74.9	81.5	87.3	90.8	91.9	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7

TOTAL NUMBER OF OBSERVATIONS 1927

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

43m49.53m08  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	31.9	40.2	42.2	43.1	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 18000	39.5	52.5	53.0	56.1	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
IV 16000	40.0	52.6	55.1	56.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 14000	40.1	52.7	55.2	56.3	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 12000	41.2	54.2	56.8	57.9	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 10000	42.5	56.2	58.9	60.2	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
IV 9000	43.7	59.0	62.0	63.5	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 8000	44.1	59.9	63.0	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 7000	44.7	61.6	64.9	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 6000	45.4	62.9	66.3	67.9	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 5000	46.0	63.8	67.3	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 4500	47.2	65.5	69.0	70.8	71.2	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 4000	47.7	66.5	70.0	71.9	72.4	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 3500	50.2	70.0	73.6	75.7	76.3	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 3000	51.7	72.7	76.4	78.7	79.5	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 2500	53.9	76.1	80.2	82.9	83.5	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 2000	54.6	78.1	82.7	85.2	86.3	86.6	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 1800	55.9	81.0	85.3	88.9	90.1	90.4	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 1500	56.5	82.5	86.0	90.9	92.3	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 1200	56.7	83.2	86.1	92.0	94.2	94.7	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1000	56.7	83.4	86.9	93.5	95.3	95.7	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 900	56.7	83.7	88.9	94.8	95.9	96.4	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 800	56.7	83.9	90.1	96.2	96.4	97.0	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 700	56.8	84.1	90.4	94.7	95.8	97.0	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 600	56.8	84.1	90.4	94.7	95.8	97.0	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 500	56.8	84.1	90.5	94.8	97.1	97.3	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 400	56.8	84.2	90.6	94.9	97.3	98.2	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300	56.8	84.2	90.6	94.9	97.3	98.2	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 200	56.8	84.2	90.6	94.9	97.3	98.2	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 100	56.8	84.2	90.6	94.9	97.3	98.2	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 0	56.8	84.2	90.6	94.9	97.3	98.2	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 1947

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28901

# CEILING VERSUS VISIBILITY

18841

WILMINGTON OHIO/CLINTON CO AFB

43-49-53-68

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 1/6	≥ ¼	≥ 0
NO CEILING	35.7	45.3	46.7	47.3	47.8	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 20000	44.9	58.4	60.2	61.3	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 18000	45.0	58.5	60.4	61.3	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 16000	45.1	58.6	60.5	61.4	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 14000	45.6	59.7	61.5	62.5	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 12000	47.0	61.8	63.6	64.6	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 10000	48.7	65.2	67.3	68.3	69.2	69.2	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 9000	49.0	65.7	67.8	68.9	69.8	69.8	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 8000	49.7	67.8	70.3	71.3	72.4	72.4	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 7000	50.5	70.0	72.6	73.6	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 6000	51.0	70.8	73.5	74.7	75.7	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 5000	52.3	72.7	75.4	76.6	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 4500	52.9	73.8	76.5	77.8	79.0	79.0	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 4000	54.8	77.3	80.2	81.7	83.1	83.1	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 3500	56.0	79.2	82.4	83.8	85.4	85.4	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 3000	57.2	82.2	85.6	87.1	89.0	89.0	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 2500	58.4	84.4	88.5	90.2	91.9	91.9	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 2000	58.7	85.4	89.8	91.8	93.3	93.3	93.7	94.0	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2
IV 1800	58.9	85.4	89.8	91.8	93.3	93.3	93.7	94.0	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2
IV 1500	59.0	86.2	90.7	92.8	94.8	94.8	95.3	95.5	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6
IV 1200	59.0	86.7	91.3	93.8	96.1	96.2	96.6	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 1000	59.0	87.0	91.7	94.4	96.8	97.1	97.3	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9
IV 900	59.0	87.0	91.8	94.6	97.1	97.3	97.6	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3
IV 800	59.0	87.2	91.9	94.9	97.3	97.6	98.0	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5
IV 700	59.0	87.2	92.0	94.8	97.3	97.6	98.0	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5
IV 600	59.0	87.3	92.1	95.0	97.7	98.0	98.3	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
IV 500	59.0	87.3	92.1	95.0	97.8	98.1	98.4	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
IV 400	59.0	87.3	92.1	95.0	97.8	98.1	98.4	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
IV 300	59.0	87.3	92.1	95.0	97.8	98.1	98.4	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
IV 200	59.0	87.3	92.1	95.0	97.8	98.1	98.4	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
IV 100	59.0	87.3	92.1	95.0	97.8	98.1	98.4	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
IV 0	59.0	87.3	92.1	95.0	97.8	98.1	98.4	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS 2046

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13041  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

43-49,59-66  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	38.5	53.2	55.9	57.0	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.7
IV 20000	45.0	64.7	68.0	69.5	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.5	70.5	70.5
IV 18000	45.0	64.7	68.0	69.5	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.5	70.5	70.5
IV 16000	45.2	68.0	68.4	69.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.9
IV 14000	45.7	68.9	69.3	70.8	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.8	71.8	71.8
IV 12000	46.4	67.6	71.0	72.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.6
IV 10000	47.9	71.3	75.0	76.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.1	78.1	78.1
IV 9000	48.4	71.9	73.8	77.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.8	78.8	78.8
IV 8000	49.6	74.3	78.7	80.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.9	81.9	81.9
IV 7000	50.7	76.8	81.4	83.3	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.8
IV 6000	51.0	77.8	82.5	84.4	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.9
IV 5000	51.4	78.8	83.5	85.5	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.2
IV 4500	51.6	79.2	84.0	86.0	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.9
IV 4000	51.9	80.4	85.3	87.4	89.0	89.1	89.1	89.1	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.3
IV 3500	52.3	81.0	86.1	88.2	89.8	89.8	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.1
IV 3000	52.9	82.6	87.8	90.0	91.6	91.7	91.8	91.8	91.8	91.8	92.0	92.0	92.0	92.0	92.0	92.1
IV 2500	53.0	83.4	88.9	91.0	92.8	92.9	93.1	93.1	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.3
IV 2000	53.0	84.2	89.9	92.3	94.4	94.5	94.8	94.8	94.8	94.8	95.0	95.0	95.0	95.0	95.1	95.1
IV 1800	53.0	84.2	89.9	92.4	94.5	94.6	94.9	94.9	94.9	95.0	95.1	95.1	95.1	95.2	95.2	95.2
IV 1500	53.2	84.9	90.8	93.5	95.7	95.8	96.2	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.6	96.7
IV 1200	53.4	85.3	91.2	93.8	96.2	96.3	96.8	97.0	97.0	97.0	97.2	97.2	97.2	97.3	97.3	97.4
IV 1000	53.2	85.3	91.3	94.0	96.4	96.6	97.1	97.3	97.3	97.3	97.5	97.5	97.5	97.7	97.7	97.8
IV 900	53.2	85.3	91.3	94.1	96.5	96.7	97.2	97.4	97.4	97.4	97.7	97.7	97.7	97.9	97.9	97.9
IV 800	53.2	85.7	91.7	94.5	97.0	97.1	97.6	97.8	97.8	97.8	98.1	98.2	98.2	98.3	98.3	98.4
IV 700	53.2	85.7	91.8	94.6	97.2	97.4	97.8	98.0	98.1	98.1	98.4	98.5	98.5	98.6	98.6	98.7
IV 600	53.2	85.7	91.8	94.7	97.2	97.3	97.9	98.3	98.3	98.3	98.7	98.9	98.9	99.0	99.0	99.1
IV 500	53.2	85.7	91.8	94.7	97.4	97.7	98.1	98.7	98.7	98.7	99.1	99.3	99.3	99.5	99.5	99.6
IV 400	53.2	85.7	91.8	94.7	97.5	97.8	98.3	98.8	98.8	98.8	99.2	99.5	99.5	99.7	99.7	99.7
IV 300	53.2	85.7	91.8	94.7	97.5	97.8	98.3	98.9	98.9	98.9	99.3	99.6	99.6	99.8	99.8	99.9
IV 200	53.2	85.7	91.8	94.7	97.5	97.8	98.4	98.9	98.9	98.9	99.4	99.6	99.6	99.9	99.9	100.0
IV 100	53.2	85.7	91.8	94.7	97.5	97.8	98.4	98.9	98.9	98.9	99.4	99.6	99.6	99.9	99.9	100.0
IV 0	53.2	85.7	91.8	94.7	97.5	97.8	98.4	98.9	98.9	98.9	99.4	99.6	99.6	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2046

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841 WILMINGTON OHIO/CLINTON CO AFB

43-49,33-60

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	37.5	61.1	64.3	65.5	66.3	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 20000	40.8	69.0	72.9	74.2	74.9	75.1	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 18000	40.8	69.0	72.9	74.2	74.9	75.1	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 16000	40.8	69.0	72.9	74.2	74.9	75.1	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 14000	40.8	69.0	72.9	74.2	74.9	75.1	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 12000	40.8	69.0	72.9	74.2	74.9	75.1	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 10000	42.2	75.0	79.2	80.8	81.5	81.7	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 9000	42.2	75.0	79.2	80.8	81.5	81.7	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 8000	43.9	77.6	82.2	83.9	84.6	84.8	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 7000	44.0	79.4	83.9	85.7	86.5	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 6000	44.1	79.8	84.4	86.2	87.2	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 5000	44.3	80.9	85.7	87.7	88.7	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 4500	44.9	81.9	86.9	88.9	89.9	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 4000	44.9	82.2	87.0	89.2	90.2	90.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 3500	44.9	83.0	87.9	90.3	91.4	91.6	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 3000	45.1	83.9	89.0	91.5	92.6	92.8	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 2500	45.2	84.7	89.8	92.6	93.8	94.0	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 2000	45.2	85.1	90.5	93.3	94.6	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1800	45.2	85.1	90.5	93.3	94.6	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1500	45.2	85.3	90.8	93.6	95.3	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1200	45.2	85.5	91.2	94.2	96.0	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1000	45.3	85.6	91.3	94.5	96.4	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 900	45.3	85.7	91.5	94.6	96.5	96.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 800	45.3	85.9	92.0	95.0	96.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700	45.3	86.0	92.1	95.3	97.2	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 600	45.3	86.0	92.2	95.3	97.4	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500	45.3	86.1	92.3	95.6	97.7	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 400	45.3	86.1	92.3	95.7	97.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	45.3	86.1	92.3	95.7	97.8	98.2	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 200	45.3	86.1	92.3	95.7	97.8	98.2	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 100	45.3	86.1	92.3	95.7	97.8	98.2	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 0	45.3	86.1	92.3	95.7	97.8	98.2	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS 2028



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13641  
STATION

WILMINGTON CMIO/CLINTON CO AFB  
STATION NAME

42-49, 53-68  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	31.8	48.6	51.8	53.5	54.6	54.8	55.1	55.2	55.3	55.4	55.5	55.5	55.6	55.6	55.7	55.8
≥ 20000	36.8	57.9	61.3	63.2	64.6	64.8	65.1	65.2	65.3	65.3	65.3	65.6	65.6	65.7	65.8	66.0
≥ 18000	36.8	57.9	61.3	63.2	64.6	64.8	65.1	65.2	65.3	65.3	65.3	65.6	65.6	65.7	65.8	66.0
≥ 16000	36.8	57.9	61.3	63.2	64.6	64.8	65.1	65.2	65.3	65.3	65.3	65.6	65.6	65.7	65.8	66.0
≥ 14000	36.8	57.9	61.3	63.2	64.6	64.8	65.1	65.2	65.3	65.3	65.3	65.6	65.6	65.7	65.8	66.0
≥ 12000	36.8	57.9	61.3	63.2	64.6	64.8	65.1	65.2	65.3	65.3	65.3	65.6	65.6	65.7	65.8	66.0
≥ 10000	36.8	57.9	61.3	63.2	64.6	64.8	65.1	65.2	65.3	65.3	65.3	65.6	65.6	65.7	65.8	66.0
≥ 9000	36.8	57.9	61.3	63.2	64.6	64.8	65.1	65.2	65.3	65.3	65.3	65.6	65.6	65.7	65.8	66.0
≥ 8000	36.8	57.9	61.3	63.2	64.6	64.8	65.1	65.2	65.3	65.3	65.3	65.6	65.6	65.7	65.8	66.0
≥ 7000	36.8	57.9	61.3	63.2	64.6	64.8	65.1	65.2	65.3	65.3	65.3	65.6	65.6	65.7	65.8	66.0
≥ 6000	36.8	57.9	61.3	63.2	64.6	64.8	65.1	65.2	65.3	65.3	65.3	65.6	65.6	65.7	65.8	66.0
≥ 5000	36.8	57.9	61.3	63.2	64.6	64.8	65.1	65.2	65.3	65.3	65.3	65.6	65.6	65.7	65.8	66.0
≥ 4500	36.8	57.9	61.3	63.2	64.6	64.8	65.1	65.2	65.3	65.3	65.3	65.6	65.6	65.7	65.8	66.0
≥ 4000	36.8	57.9	61.3	63.2	64.6	64.8	65.1	65.2	65.3	65.3	65.3	65.6	65.6	65.7	65.8	66.0
≥ 3500	36.8	57.9	61.3	63.2	64.6	64.8	65.1	65.2	65.3	65.3	65.3	65.6	65.6	65.7	65.8	66.0
≥ 3000	36.8	57.9	61.3	63.2	64.6	64.8	65.1	65.2	65.3	65.3	65.3	65.6	65.6	65.7	65.8	66.0
≥ 2500	36.8	57.9	61.3	63.2	64.6	64.8	65.1	65.2	65.3	65.3	65.3	65.6	65.6	65.7	65.8	66.0
≥ 2000	36.8	57.9	61.3	63.2	64.6	64.8	65.1	65.2	65.3	65.3	65.3	65.6	65.6	65.7	65.8	66.0
≥ 1800	36.8	57.9	61.3	63.2	64.6	64.8	65.1	65.2	65.3	65.3	65.3	65.6	65.6	65.7	65.8	66.0
≥ 1500	36.8	57.9	61.3	63.2	64.6	64.8	65.1	65.2	65.3	65.3	65.3	65.6	65.6	65.7	65.8	66.0
≥ 1200	36.8	57.9	61.3	63.2	64.6	64.8	65.1	65.2	65.3	65.3	65.3	65.6	65.6	65.7	65.8	66.0
≥ 1000	36.8	57.9	61.3	63.2	64.6	64.8	65.1	65.2	65.3	65.3	65.3	65.6	65.6	65.7	65.8	66.0
≥ 900	36.8	57.9	61.3	63.2	64.6	64.8	65.1	65.2	65.3	65.3	65.3	65.6	65.6	65.7	65.8	66.0
≥ 800	36.8	57.9	61.3	63.2	64.6	64.8	65.1	65.2	65.3	65.3	65.3	65.6	65.6	65.7	65.8	66.0
≥ 700	36.8	57.9	61.3	63.2	64.6	64.8	65.1	65.2	65.3	65.3	65.3	65.6	65.6	65.7	65.8	66.0
≥ 600	36.8	57.9	61.3	63.2	64.6	64.8	65.1	65.2	65.3	65.3	65.3	65.6	65.6	65.7	65.8	66.0
≥ 500	36.8	57.9	61.3	63.2	64.6	64.8	65.1	65.2	65.3	65.3	65.3	65.6	65.6	65.7	65.8	66.0
≥ 400	36.8	57.9	61.3	63.2	64.6	64.8	65.1	65.2	65.3	65.3	65.3	65.6	65.6	65.7	65.8	66.0
≥ 300	36.8	57.9	61.3	63.2	64.6	64.8	65.1	65.2	65.3	65.3	65.3	65.6	65.6	65.7	65.8	66.0
≥ 200	36.8	57.9	61.3	63.2	64.6	64.8	65.1	65.2	65.3	65.3	65.3	65.6	65.6	65.7	65.8	66.0
≥ 100	36.8	57.9	61.3	63.2	64.6	64.8	65.1	65.2	65.3	65.3	65.3	65.6	65.6	65.7	65.8	66.0
≥ 0	36.8	57.9	61.3	63.2	64.6	64.8	65.1	65.2	65.3	65.3	65.3	65.6	65.6	65.7	65.8	66.0

TOTAL NUMBER OF OBSERVATIONS

15053



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841

WILMINGTON OHIO/CLINTON CO AFB

43-48, 53-60, 62-67

007

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS - 5 P

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼
NO CEILING	31.7	33.2	37.5	39.2	60.5	60.7	61.8	61.9	61.9	62.2	62.3	62.3	62.5	62.5	62.5
≥ 20000	33.8	37.1	61.6	63.8	65.2	65.5	66.6	67.0	67.0	67.3	67.4	67.4	67.6	67.6	67.9
IV 18000	33.8	37.1	61.6	63.8	65.2	65.5	66.6	67.0	67.0	67.3	67.4	67.4	67.6	67.6	67.9
IV 16000	33.8	37.2	61.7	63.8	65.3	65.6	66.7	67.1	67.1	67.4	67.4	67.4	67.6	67.6	67.9
IV 14000	33.8	37.5	62.3	64.5	65.9	66.2	67.4	67.7	67.7	68.0	68.1	68.1	68.3	68.3	68.6
IV 12000	35.3	39.5	63.9	66.2	67.6	67.9	69.1	69.4	69.4	69.7	69.8	69.8	70.0	70.0	70.3
IV 10000	36.1	62.3	67.4	69.7	71.2	71.5	72.6	73.0	73.0	73.3	73.3	73.3	73.5	73.5	73.8
IV 9000	36.4	63.0	68.2	70.4	71.9	72.2	73.3	73.7	73.7	74.0	74.1	74.1	74.2	74.2	74.5
IV 8000	35.9	64.7	70.1	72.6	74.1	74.4	75.5	75.9	75.9	76.2	76.2	76.2	76.4	76.4	76.7
IV 7000	37.3	65.6	71.4	73.8	75.3	75.6	76.9	77.3	77.3	77.6	77.6	77.6	77.8	77.8	78.1
IV 6000	38.1	66.8	72.6	75.1	76.7	77.0	78.3	78.6	78.6	79.0	79.1	79.1	79.3	79.3	79.6
IV 5000	38.7	68.1	74.2	76.6	78.3	78.6	80.2	80.6	80.6	80.9	81.0	81.0	81.3	81.3	81.6
IV 4500	39.1	69.3	75.5	78.1	79.9	80.2	81.6	82.0	82.0	82.3	82.4	82.4	82.7	82.7	83.0
IV 4000	39.4	70.6	77.0	79.7	81.5	81.9	83.3	83.7	83.7	84.0	84.1	84.1	84.4	84.4	84.7
IV 3500	39.7	71.4	77.7	80.5	82.6	83.0	84.4	84.7	84.7	85.1	85.2	85.2	85.5	85.5	85.8
IV 3000	39.9	72.1	78.6	81.4	83.5	83.9	85.3	85.6	85.6	86.0	86.1	86.1	86.4	86.4	86.7
IV 2500	40.7	74.1	81.1	84.0	86.1	86.5	88.0	88.4	88.4	88.7	88.8	88.8	89.1	89.1	89.4
IV 2000	41.1	75.6	82.0	85.0	88.3	88.7	90.2	90.7	90.7	91.0	91.1	91.1	91.4	91.4	91.7
IV 1800	41.1	75.7	82.1	85.1	88.5	89.0	90.5	90.9	90.9	91.3	91.4	91.4	91.7	91.7	92.0
IV 1500	41.3	76.1	82.7	85.9	89.4	89.8	91.3	91.7	91.7	92.1	92.2	92.2	92.5	92.5	92.8
IV 1200	41.3	76.7	84.6	88.2	90.7	91.1	92.6	93.0	93.0	93.4	93.5	93.5	93.8	93.8	94.1
IV 1000	41.9	77.1	85.3	89.1	92.0	92.4	93.9	94.3	94.3	94.8	94.9	94.9	95.3	95.3	95.6
IV 900	43.4	77.3	85.8	89.6	92.3	92.8	94.3	94.9	94.9	95.3	95.4	95.4	95.7	95.7	96.0
IV 800	41.4	77.4	86.0	89.8	92.8	93.2	94.8	95.4	95.4	95.7	95.8	95.8	96.2	96.2	96.5
IV 700	41.9	77.7	86.4	90.3	93.3	93.9	95.3	96.1	96.1	96.6	96.7	96.7	97.0	97.0	97.3
IV 600	41.9	77.9	86.7	90.7	94.5	95.0	96.7	97.3	97.4	97.9	98.1	98.1	98.4	98.4	98.7
IV 500	41.9	77.9	86.7	90.8	94.6	95.2	96.9	97.5	97.6	98.2	98.3	98.3	98.7	98.7	99.0
IV 400	41.9	78.0	86.8	91.0	94.9	95.4	97.3	97.9	98.0	98.7	98.8	98.8	99.2	99.2	99.5
IV 300	41.4	78.0	86.8	91.0	94.9	95.5	97.3	98.1	98.3	99.0	99.1	99.1	99.5	99.5	99.8
IV 200	41.4	78.0	86.8	91.0	94.9	95.5	97.3	98.1	98.3	99.0	99.1	99.1	99.5	99.5	99.8
IV 100	41.4	78.0	86.8	91.0	94.9	95.5	97.3	98.1	98.3	99.0	99.1	99.1	99.5	99.5	99.8
IV 0	41.4	78.0	86.8	91.1	95.0	95.6	97.6	98.2	98.3	99.0	99.2	99.2	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 1658

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB

43-48,53-60,62,63-67  
YEARS

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS T. S. T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	24.0	49.3	54.2	56.3	58.1	58.8	60.0	60.1	60.2	60.2	60.4	60.4	60.5	60.5	60.8	61.2
≥ 20000	25.9	52.1	57.0	59.3	61.2	61.9	63.3	63.7	63.7	63.8	64.0	64.0	64.1	64.1	64.4	64.8
IV 18000	25.9	52.1	57.0	59.3	61.2	61.9	63.3	63.7	63.7	63.8	64.0	64.0	64.1	64.1	64.4	64.8
IV 16000	25.9	52.2	57.1	59.3	61.3	62.0	63.5	63.8	63.8	64.0	64.2	64.2	64.2	64.2	64.5	65.0
IV 14000	25.7	52.4	57.6	60.0	61.8	62.5	64.0	64.3	64.3	64.5	64.7	64.7	64.7	64.7	65.0	65.5
IV 12000	25.2	52.2	57.5	61.8	63.6	64.3	65.8	66.2	66.2	66.3	66.5	66.5	66.5	66.5	66.9	67.3
IV 10000	25.9	57.0	62.9	65.3	67.2	67.9	69.4	69.7	69.7	69.9	70.1	70.1	70.2	70.2	70.5	70.9
IV 9000	28.3	58.0	63.8	66.2	68.1	68.9	70.3	70.7	70.7	70.9	71.1	71.1	71.1	71.1	71.4	71.9
IV 8000	29.0	59.0	65.9	68.5	70.6	71.3	72.7	73.1	73.1	73.3	73.5	73.5	73.6	73.6	73.9	74.3
IV 7000	29.3	61.0	67.2	70.1	72.2	73.0	74.4	74.8	74.8	75.0	75.2	75.2	75.3	75.3	75.6	76.0
IV 6000	29.3	61.3	67.7	70.6	72.7	73.4	74.9	75.3	75.3	75.4	75.5	75.6	75.7	75.7	76.0	76.4
IV 5500	29.9	62.7	69.7	72.6	74.7	75.5	77.1	77.5	77.5	77.7	77.9	77.9	77.9	77.9	78.3	78.7
IV 4500	30.6	64.3	71.3	74.4	76.6	77.4	79.1	79.5	79.5	79.7	79.9	79.9	79.9	79.9	80.3	80.7
IV 4000	31.2	65.7	72.7	75.6	77.9	78.8	80.7	81.1	81.1	81.3	81.6	81.6	81.6	81.6	82.0	82.4
IV 3500	31.7	66.4	73.7	76.6	79.1	79.9	82.1	82.5	82.5	82.7	83.0	83.0	83.0	83.0	83.3	83.8
IV 3000	31.7	67.7	75.4	78.4	80.9	81.7	83.8	84.2	84.2	84.5	84.8	84.8	84.8	84.8	85.2	85.6
IV 2500	32.3	69.3	77.7	80.8	83.3	84.3	86.5	86.8	86.8	87.2	87.5	87.5	87.5	87.5	87.8	88.3
IV 2000	32.7	70.6	79.1	82.3	84.8	85.0	88.2	88.6	88.6	89.2	89.2	89.2	89.3	89.3	89.6	90.0
IV 1800	33.0	70.9	79.4	82.6	85.3	85.3	88.5	88.9	88.9	89.2	89.5	89.5	89.5	89.5	89.9	90.4
IV 1500	33.0	71.1	79.6	82.8	85.6	85.6	88.9	89.3	89.3	89.6	89.9	89.9	89.9	90.0	90.3	90.7
IV 1200	33.0	71.7	80.8	84.3	87.3	88.3	90.7	91.0	91.0	91.4	91.7	91.7	91.7	91.9	92.2	92.7
IV 1000	33.0	72.2	81.5	85.3	89.0	89.9	92.2	92.6	92.6	93.0	93.3	93.3	93.3	93.5	93.9	94.3
IV 900	33.1	72.7	82.3	86.3	89.9	90.8	93.2	93.7	93.7	94.0	94.4	94.4	94.4	94.6	94.9	95.4
IV 800	33.1	72.9	82.5	86.5	90.5	91.4	93.7	94.2	94.2	94.7	95.0	95.0	95.0	95.2	95.6	96.0
IV 700	33.2	73.1	83.1	87.3	91.4	92.2	94.7	95.2	95.2	95.6	95.9	95.9	95.9	96.1	96.4	96.9
IV 600	33.2	73.2	83.3	87.7	91.3	92.2	95.8	96.2	96.2	96.7	97.1	97.1	97.1	97.4	97.7	98.1
IV 500	33.2	73.2	83.5	87.8	92.6	93.3	96.2	96.7	96.7	97.2	97.7	97.7	97.7	98.0	98.3	98.7
IV 400	33.2	73.2	83.5	87.9	92.7	93.7	96.4	96.9	96.9	97.5	98.0	98.0	98.0	98.2	98.6	99.1
IV 300	33.2	73.2	83.5	87.9	92.7	93.7	96.4	97.1	97.1	97.8	98.4	98.4	98.4	98.7	99.1	99.4
IV 200	33.2	73.2	83.5	87.9	92.7	93.7	96.4	97.1	97.1	97.8	98.4	98.4	98.4	98.7	99.2	99.6
IV 100	33.2	73.2	83.5	87.9	92.7	93.7	96.4	97.1	97.1	97.8	98.4	98.4	98.4	98.7	99.2	99.7
IV 0	33.2	73.2	83.5	87.9	92.7	93.7	96.4	97.1	97.1	97.8	98.4	98.4	98.4	98.7	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 1595

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13861

WILMINGTON OHIO/CLINTON CO AFB

43-48-53-60-62-66

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 5/8	≥ 1/2	≥ 5/16	≥ 1/4	≥ 0
NO CEILING ≥ 20000	10.3	33.7	39.9	42.9	46.2	46.9	49.1	50.1	50.2	51.3	51.3	51.3	51.8	51.8	52.0	52.5
IV 18000	19.3	38.7	43.7	49.4	53.1	53.8	53.0	57.1	57.3	58.1	58.2	58.2	58.8	58.8	59.2	60.0
IV 16000	19.3	38.6	43.8	49.3	53.2	53.9	56.1	57.2	57.4	58.2	58.4	58.4	58.9	58.9	59.3	60.1
IV 14000	19.8	39.0	46.0	49.7	53.5	54.2	56.4	57.6	57.8	58.6	58.6	58.8	59.3	59.3	59.7	60.5
IV 12000	20.0	40.4	47.8	51.7	55.5	56.2	58.4	59.6	59.8	60.5	60.8	60.8	61.4	61.4	61.7	62.6
IV 10000	21.4	42.3	51.0	53.0	58.9	59.6	61.9	63.1	63.3	64.1	64.4	64.4	65.0	65.0	65.3	66.2
IV 9000	21.0	42.0	51.0	55.0	59.5	60.2	62.4	63.7	63.9	64.7	65.0	65.0	65.6	65.6	65.9	66.7
IV 8000	22.4	43.1	52.9	57.1	61.0	61.9	64.4	65.6	65.8	66.6	66.9	66.9	67.5	67.5	67.9	68.7
IV 7000	22.8	46.2	53.2	58.6	62.9	63.9	66.3	67.7	67.9	68.7	69.0	69.0	69.5	69.5	69.9	70.7
IV 6000	23.3	47.4	55.4	59.9	64.4	65.5	68.1	69.5	69.7	70.5	70.8	70.8	71.4	71.4	71.8	72.6
IV 5000	23.8	49.3	57.8	62.7	67.2	68.3	71.0	72.3	72.7	73.6	73.8	73.8	74.4	74.4	74.8	75.6
IV 4500	24.3	50.7	59.1	64.0	68.8	69.9	72.7	74.2	74.5	75.4	75.7	75.7	76.2	76.2	76.6	77.4
IV 4000	24.8	52.0	60.9	65.4	70.8	72.0	74.9	76.6	76.9	77.8	78.0	78.0	78.6	78.6	79.0	79.8
IV 3500	24.9	52.1	61.8	67.0	72.0	73.2	76.1	77.9	78.1	79.0	79.3	79.3	80.0	80.0	80.3	81.1
IV 3000	25.3	54.0	62.8	68.4	73.5	74.7	77.8	79.6	79.9	80.8	81.2	81.2	81.9	81.9	82.2	83.1
IV 2500	25.7	55.7	64.8	70.7	75.5	76.9	80.0	81.8	82.1	83.1	83.4	83.4	84.1	84.1	84.6	85.4
IV 2000	25.7	57.1	66.0	71.5	77.3	78.7	81.9	83.8	84.1	85.2	85.6	85.6	86.3	86.3	86.8	87.6
IV 1800	26.7	57.1	66.1	71.9	77.4	78.9	82.1	83.9	84.2	85.3	85.7	85.7	86.4	86.4	86.9	87.7
IV 1500	26.6	57.4	66.1	72.7	78.3	79.9	83.2	85.1	85.5	86.7	87.2	87.2	87.9	87.9	88.4	89.2
IV 1200	25.8	58.1	67.9	74.1	80.0	81.6	84.9	86.8	87.2	88.4	88.9	88.9	89.7	89.7	90.2	91.0
IV 1000	26.9	58.4	68.5	74.8	81.0	82.5	86.0	88.1	88.5	89.6	90.2	90.2	91.1	91.1	91.6	92.4
IV 900	27.0	58.7	68.8	75.2	81.4	82.9	86.4	88.5	88.9	90.1	90.6	90.6	91.6	91.6	92.1	92.9
IV 800	27.1	59.0	69.1	75.6	81.8	83.3	86.8	88.9	89.3	90.7	91.3	91.3	92.3	92.3	92.8	93.6
IV 700	27.1	59.1	69.4	75.9	82.2	84.0	87.6	90.0	90.4	91.8	92.1	92.1	93.2	93.2	93.7	94.5
IV 600	27.1	59.2	69.6	76.1	82.9	84.8	88.4	91.0	91.4	92.8	93.4	93.4	94.5	94.5	95.0	95.8
IV 500	27.1	59.3	69.7	76.4	83.3	85.3	89.3	92.0	92.4	93.9	94.5	94.5	95.6	95.6	96.2	97.0
IV 400	27.1	59.3	69.7	76.4	83.3	85.3	89.3	92.2	92.6	94.1	94.9	94.9	96.1	96.1	96.7	97.5
IV 300	27.1	59.3	69.7	76.4	83.3	85.3	89.3	92.3	92.7	94.4	95.3	95.3	96.6	96.6	97.4	98.3
IV 200	27.1	59.3	69.7	76.4	83.3	85.3	89.3	92.4	92.8	94.4	95.5	95.5	96.9	96.9	97.8	98.8
IV 100	27.1	59.3	69.7	76.4	83.3	85.3	89.3	92.4	92.8	94.4	95.5	95.5	96.9	96.9	98.0	99.0
IV 0	27.1	59.3	69.7	76.4	83.3	85.3	89.3	92.4	92.8	94.4	95.5	95.5	96.9	96.9	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1717

DATA PROCESSING DIVISION  
ETAG, USAF  
ASREVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON UNICLINTON CO AFB

43-48,53-08

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LT)

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 1/5	≥ 0
NO CEILING	23.1	40.9	48.3	47.3	48.8	49.1	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 20000	32.5	50.8	55.9	58.7	60.3	60.7	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 18000	32.5	50.8	56.0	58.8	60.3	60.8	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 16000	32.6	51.0	56.1	58.9	60.6	60.7	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 14000	32.9	51.4	56.5	59.3	61.0	61.3	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 12000	33.9	53.1	58.4	61.3	63.0	63.2	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 10000	35.0	55.1	60.7	64.1	66.0	66.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 9000	35.2	55.3	61.1	64.3	66.3	66.6	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 8000	35.5	57.1	62.9	66.3	68.4	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 7000	35.9	57.6	63.6	67.1	69.2	69.7	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 6000	36.2	58.4	64.4	67.9	70.0	70.5	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 5000	36.6	59.4	65.7	69.3	71.8	72.3	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 4500	37.3	60.1	66.5	70.1	72.7	73.3	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 4000	37.9	61.1	67.6	71.2	74.0	74.7	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 3500	38.0	62.0	68.6	72.4	75.2	75.9	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 3000	38.7	62.6	70.4	74.2	77.2	77.9	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2500	39.6	63.3	72.3	76.0	79.8	80.6	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2000	40.5	67.3	75.0	79.4	82.6	83.3	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 1800	40.6	67.7	75.4	79.8	83.0	83.9	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1500	41.0	68.8	76.9	81.4	83.9	84.9	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 1200	41.3	70.2	78.3	83.1	86.8	87.7	88.8	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 1000	41.7	71.0	79.4	84.3	88.3	89.6	90.8	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 900	41.7	71.2	79.8	85.0	89.2	90.3	91.5	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 800	41.7	71.4	80.1	85.3	89.8	91.3	92.7	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 700	41.7	71.5	80.4	85.6	90.1	91.7	93.1	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 600	41.7	71.6	80.6	86.2	91.4	93.1	94.9	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 500	41.7	71.6	80.8	86.6	91.9	93.7	95.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 400	41.7	71.6	80.8	86.6	91.9	93.7	95.9	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 300	41.7	71.6	80.8	86.6	91.9	93.7	95.9	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 200	41.7	71.6	80.8	86.6	91.9	93.7	95.9	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 100	41.7	71.6	80.8	86.6	91.9	93.7	95.9	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 0	41.7	71.6	80.8	86.6	91.9	93.7	95.9	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2

TOTAL NUMBER OF OBSERVATIONS 1910

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CU AFB  
STATION NAME

43-48,53-68  
YEARS

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼
NO CEILING	33.0	45.2	46.4	46.7	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 20000	42.0	56.3	58.0	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 18000	42.1	56.4	58.2	58.8	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 16000	42.1	56.5	58.3	58.9	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 14000	42.3	56.9	58.6	59.3	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 12000	43.3	58.0	60.3	61.0	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 10000	44.1	60.6	62.6	63.5	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 9000	44.3	61.0	63.1	64.0	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 8000	45.0	62.4	64.5	65.4	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 7000	45.3	63.1	65.5	66.4	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 6000	45.6	63.7	66.0	66.9	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 5000	46.4	65.1	67.7	68.6	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 4500	46.8	66.0	68.8	69.7	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 4000	48.3	68.7	71.7	72.6	73.6	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 3500	49.6	70.4	73.5	74.7	75.6	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 3000	51.6	73.7	77.1	78.2	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 2500	53.6	77.1	80.9	82.3	83.7	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 2000	54.6	79.5	84.1	85.7	87.5	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 1800	54.6	79.8	84.1	85.7	87.5	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 1500	54.6	80.9	86.2	88.1	90.1	90.2	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 1200	55.2	82.0	87.6	89.8	92.2	92.4	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 1000	55.5	82.6	88.6	91.2	94.0	94.3	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 900	55.5	82.8	88.8	91.5	94.4	94.8	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 800	55.5	82.8	89.2	92.1	95.2	95.5	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 700	55.5	82.9	89.5	92.5	96.3	96.7	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 600	55.5	82.9	89.5	92.5	96.6	97.1	98.0	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 500	55.5	82.9	89.5	92.5	96.9	97.5	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 400	55.5	82.9	89.5	92.5	96.9	97.6	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 300	55.5	82.9	89.5	92.5	96.9	97.6	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 200	55.5	82.9	89.5	92.5	96.9	97.6	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 100	55.5	82.9	89.5	92.5	96.9	97.6	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 0	55.5	82.9	89.5	92.5	96.9	97.6	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 1926

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CU AFB  
STATION NAME

43-48,52-68  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8		≥ 5/16	≥ ¼	≥ 0
NO CEILING	36.8	47.1	48.5	49.2	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 20000	45.0	56.0	59.9	60.8	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 18000	45.1	56.2	60.1	61.0	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 16000	45.4	56.5	60.4	61.2	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 14000	45.8	57.2	61.1	62.1	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 12000	47.2	61.0	63.1	64.1	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 10000	48.5	63.2	65.6	66.7	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 9000	48.8	63.8	66.4	67.4	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 8000	49.0	63.8	66.4	67.4	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 7000	50.1	67.1	69.8	71.0	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 6000	50.5	68.0	70.8	71.9	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 5000	51.5	69.8	72.8	74.0	74.3	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 4500	52.4	71.8	74.4	75.6	75.9	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 4000	54.7	74.6	77.9	79.1	79.4	79.5	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 3500	55.3	76.9	80.2	81.3	81.9	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 3000	57.2	79.1	83.0	84.4	84.9	85.0	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 2500	59.1	82.1	86.7	88.3	88.9	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 2000	59.3	82.9	87.9	89.6	90.4	90.9	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 1800	59.4	83.2	88.2	90.0	90.8	91.3	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1500	59.6	83.9	89.1	91.1	92.1	92.7	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1200	59.7	84.5	89.9	92.1	93.1	93.7	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1000	59.7	84.7	90.3	92.7	93.9	94.6	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 900	59.7	84.8	90.6	93.0	94.4	95.3	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 800	59.7	84.9	90.7	93.1	94.7	95.6	96.5	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 700	59.7	85.0	90.8	93.2	95.1	96.0	97.0	97.3	97.6	97.7	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	59.8	85.0	90.8	93.4	95.3	96.4	97.4	98.0	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	59.8	85.1	91.1	93.6	95.6	96.8	97.8	98.3	98.6	99.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	59.8	85.1	91.1	93.6	95.7	96.9	98.0	98.4	98.9	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	59.8	85.1	91.1	93.6	95.7	97.0	98.1	98.5	99.0	99.5	99.9	100.0	100.0	100.0	100.0	100.0
≥ 200	59.8	85.1	91.1	93.6	95.7	97.0	98.1	98.5	99.0	99.5	99.9	100.0	100.0	100.0	100.0	100.0
≥ 100	59.8	85.1	91.1	93.6	95.7	97.0	98.1	98.5	99.0	99.5	99.9	100.0	100.0	100.0	100.0	100.0
≥ 0	59.8	85.1	91.1	93.6	95.7	97.0	98.1	98.5	99.0	99.5	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2018

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CU AFB  
STATION NAME

42-48,53-68  
YEARS

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING ≥ 20000	27.1	51.0	54.6	55.8	56.2	56.2	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 18000	43.2	50.0	64.1	65.3	65.8	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.1
IV 16000	43.2	50.0	64.1	65.3	65.8	65.8	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.2
IV 14000	43.2	50.0	64.6	65.8	66.4	66.4	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.8
IV 12000	43.2	50.0	66.4	67.6	68.3	68.3	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.7
IV 10000	47.1	65.3	70.0	71.3	71.9	71.9	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.4
IV 9000	47.1	65.3	70.9	72.2	72.9	72.9	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.3
IV 8000	47.9	66.1	72.9	74.2	75.0	75.0	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.4
IV 7000	48.2	69.2	74.1	75.3	76.3	76.3	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.8
IV 6000	48.6	69.9	75.0	76.4	77.3	77.3	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.7
IV 5000	49.5	71.8	77.1	78.7	79.7	79.7	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.2
IV 4500	50.9	73.1	78.6	80.2	81.3	81.3	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.8
IV 4000	51.3	73.7	81.3	83.2	84.3	84.3	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.9
IV 3500	51.9	76.8	82.8	84.7	86.0	86.1	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.6
IV 3000	52.3	77.9	84.4	86.4	87.6	87.8	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.4
IV 2500	52.9	79.3	86.4	88.6	90.1	90.4	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	91.0
IV 2000	53.0	79.9	87.2	89.6	91.3	91.7	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.6
IV 1800	53.0	80.2	87.6	90.0	91.7	92.1	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	93.0
IV 1500	53.2	80.7	88.2	91.0	93.0	93.4	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.4
IV 1200	53.2	81.1	88.9	92.1	94.1	94.5	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.6
IV 1000	53.2	81.1	89.0	92.1	94.1	94.5	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.6
IV 900	53.2	81.1	89.0	92.1	94.1	94.5	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.6
IV 800	53.2	81.1	89.0	92.1	94.1	94.5	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.6
IV 700	53.2	81.1	89.0	92.1	94.1	94.5	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.6
IV 600	53.2	81.1	89.0	92.1	94.1	94.5	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.6
IV 500	53.2	81.1	89.0	92.1	94.1	94.5	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.6
IV 400	53.2	81.1	89.0	92.1	94.1	94.5	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.6
IV 300	53.2	81.1	89.0	92.1	94.1	94.5	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.6
IV 200	53.2	81.1	89.0	92.1	94.1	94.5	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.6
IV 100	53.2	81.1	89.0	92.1	94.1	94.5	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.6
IV 0	53.2	81.1	89.0	92.1	94.1	94.5	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.6

TOTAL NUMBER OF OBSERVATIONS 2019

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CU AFB  
STATION NAME

43-48,53-68  
YEARS

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS T. S. T.

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	25.9	34.9	38.7	39.9	40.8	40.9	41.4	41.4	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.7
≥ 20000	40.0	60.4	64.7	65.9	66.9	67.0	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.7	67.9
≥ 18000	40.0	60.3	64.8	66.0	67.0	67.1	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.8	68.0
≥ 16000	40.0	60.3	64.8	66.0	67.0	67.1	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.8	68.0
≥ 14000	40.0	60.3	64.8	66.0	67.0	67.1	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.8	68.0
≥ 12000	40.0	60.3	64.8	66.0	67.0	67.1	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.8	68.0
≥ 10000	42.9	65.3	70.1	71.6	72.6	72.8	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.5	73.7
≥ 9000	42.8	66.4	71.1	72.5	73.6	73.7	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.4	74.6
≥ 8000	43.3	68.1	72.8	74.5	75.5	75.7	76.2	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.4	76.6
≥ 7000	43.7	69.2	74.0	75.8	76.9	77.1	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.8	78.0
≥ 6000	44.9	70.7	75.7	77.5	78.6	78.8	79.3	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.5	79.7
≥ 5000	45.7	73.0	78.4	80.3	81.7	81.9	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.7	82.9
≥ 4500	45.9	74.2	79.8	81.9	83.4	83.5	84.1	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.4	84.6
≥ 4000	47.1	76.0	81.8	84.0	85.5	85.6	86.2	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.5	86.7
≥ 3500	47.3	77.0	83.2	85.3	87.4	87.6	88.3	88.3	88.3	88.5	88.5	88.5	88.5	88.5	88.6	88.8
≥ 3000	47.9	78.0	84.4	87.2	88.8	89.0	89.7	89.7	89.7	89.9	89.9	89.9	89.9	89.9	90.0	90.2
≥ 2500	48.0	78.9	85.5	88.4	90.1	90.3	91.1	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.4	91.6
≥ 2000	48.3	79.9	86.7	89.9	91.7	91.9	92.7	92.8	92.8	92.9	92.9	92.9	92.9	92.9	93.1	93.3
≥ 1800	48.4	80.2	86.9	90.2	92.0	92.3	93.1	93.1	93.1	93.4	93.4	93.4	93.4	93.4	93.5	93.7
≥ 1500	48.5	81.1	87.9	91.2	93.2	93.3	94.3	94.3	94.3	94.6	94.6	94.6	94.6	94.6	94.7	94.9
≥ 1200	48.9	81.4	88.5	91.8	94.0	94.3	95.1	95.1	95.1	95.4	95.4	95.4	95.4	95.4	95.5	95.7
≥ 1000	48.6	81.8	89.0	92.6	94.9	95.2	96.0	96.1	96.1	96.5	96.5	96.5	96.5	96.5	96.6	96.7
≥ 900	48.6	82.1	89.3	93.0	95.3	95.6	96.6	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.1	97.3
≥ 800	48.6	82.4	89.6	93.3	95.8	96.2	97.0	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.4	97.7
≥ 700	48.6	82.4	89.7	93.4	96.0	96.4	97.2	97.3	97.3	97.6	97.6	97.6	97.6	97.6	97.8	98.0
≥ 600	48.6	82.7	90.0	93.7	96.4	96.8	97.6	97.8	97.8	98.1	98.1	98.1	98.1	98.1	98.3	98.5
≥ 500	48.6	82.7	90.0	93.7	96.5	96.9	97.8	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.5	98.7
≥ 400	48.6	82.7	90.1	93.7	96.7	97.2	98.2	98.6	98.6	99.0	99.0	99.0	99.0	99.0	99.2	99.4
≥ 300	48.6	82.7	90.2	93.9	96.9	97.4	98.5	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.4	99.6
≥ 200	48.6	82.7	90.2	93.9	97.0	97.5	98.6	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.6	99.8
≥ 100	48.6	82.7	90.2	93.9	97.0	97.5	98.6	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.6	99.8
≥ 0	48.6	82.7	90.2	93.9	97.0	97.5	98.6	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 2003



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB

43-48, 53-60  
YEARS

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L. S. T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	30.0	47.0	50.6	52.1	53.2	53.5	54.2	54.4	54.4	54.5	54.6	54.9	54.7	54.7	54.7	54.9
≥ 20000	35.8	35.5	58.6	60.4	61.7	62.0	62.7	62.9	62.9	63.1	63.1	63.1	63.3	63.3	63.3	63.5
IV 18000	35.8	54.6	58.7	60.8	61.8	62.1	62.7	63.0	63.0	63.2	63.2	63.3	63.3	63.4	63.4	63.6
IV 16000	35.9	54.7	58.8	60.6	61.9	62.2	62.9	63.1	63.1	63.3	63.3	63.3	63.4	63.4	63.3	63.7
IV 14000	36.1	53.0	59.2	61.1	62.4	62.7	63.4	63.6	63.6	63.8	63.8	63.8	63.9	63.9	64.0	64.2
IV 12000	37.0	56.6	61.0	62.9	64.3	64.5	65.2	65.5	65.5	65.6	65.7	65.8	65.8	65.8	65.9	66.1
IV 10000	38.3	59.4	64.0	66.0	67.5	67.7	68.4	68.7	68.7	68.9	68.9	68.9	69.0	69.0	69.1	69.4
IV 9000	38.6	60.0	64.7	66.6	68.2	68.3	69.2	69.4	69.4	69.6	69.7	69.7	69.8	69.8	69.9	70.1
IV 8000	39.3	61.6	66.5	68.6	70.1	70.4	71.2	71.4	71.4	71.6	71.7	71.7	71.8	71.8	71.8	72.1
IV 7000	39.7	62.7	67.7	69.9	71.9	71.8	72.6	72.9	72.9	73.0	73.1	73.1	73.2	73.2	73.3	73.5
IV 6000	40.2	63.6	68.7	70.9	72.5	72.9	73.7	73.9	74.0	74.1	74.2	74.2	74.3	74.3	74.4	74.6
IV 5000	40.9	65.3	70.7	73.0	74.8	75.1	76.0	76.3	76.3	76.5	76.5	76.5	76.6	76.6	76.7	77.0
IV 4500	41.5	66.5	72.0	74.4	76.2	76.6	77.5	77.8	77.8	78.0	78.1	78.1	78.2	78.2	78.3	78.5
IV 4000	42.5	68.5	74.1	76.7	78.5	79.0	79.9	80.2	80.2	80.4	80.5	80.5	80.6	80.6	80.7	80.9
IV 3500	43.0	69.0	75.5	78.2	80.2	80.6	81.6	81.9	81.9	82.1	82.2	82.2	82.3	82.3	82.4	82.6
IV 3000	43.6	71.2	77.3	80.1	82.2	82.6	83.6	83.9	84.0	84.2	84.3	84.3	84.4	84.4	84.5	84.7
IV 2500	44.8	73.2	79.5	82.4	84.5	85.0	86.0	86.3	86.3	86.5	86.6	86.7	86.8	86.8	86.9	87.1
IV 2000	45.2	74.5	81.5	84.6	86.7	87.0	88.0	88.1	88.2	88.4	88.5	88.5	88.6	88.7	88.8	89.0
IV 1800	45.5	74.8	81.7	84.9	87.4	87.9	89.1	89.5	89.5	89.8	89.9	89.9	90.0	90.0	90.1	90.4
IV 1500	45.9	75.4	82.7	86.0	88.6	89.2	90.5	90.9	90.9	91.2	91.4	91.4	91.5	91.5	91.6	91.8
IV 1200	45.7	76.1	83.7	87.2	90.0	90.7	92.0	92.4	92.5	92.7	92.9	92.9	93.1	93.1	93.2	93.4
IV 1000	45.7	76.5	84.3	88.1	91.2	91.9	93.3	93.9	93.9	94.2	94.4	94.4	94.6	94.6	94.7	94.9
IV 900	45.8	76.8	84.6	88.5	91.7	92.5	93.9	94.5	94.5	94.8	95.0	95.0	95.2	95.2	95.3	95.6
IV 800	45.8	76.9	84.9	88.8	92.1	93.0	94.4	95.1	95.1	95.3	95.7	95.7	95.9	95.9	96.0	96.2
IV 700	45.8	77.1	85.1	89.2	92.8	93.7	95.2	95.9	95.9	96.0	96.3	96.6	96.6	96.8	96.9	97.1
IV 600	45.8	77.2	85.3	89.3	93.3	94.3	95.9	96.5	96.5	96.8	97.2	97.5	97.5	97.7	97.7	98.1
IV 500	45.8	77.2	85.4	89.7	93.6	94.6	96.4	97.2	97.3	97.6	98.0	98.2	98.4	98.4	98.5	98.8
IV 400	45.8	77.2	85.4	89.7	93.7	94.8	96.6	97.5	97.6	98.0	98.3	98.6	98.6	98.9	98.9	99.3
IV 300	45.8	77.2	85.5	89.7	93.7	94.8	96.7	97.6	97.7	98.4	98.8	98.8	99.1	99.1	99.3	99.6
IV 200	45.8	77.2	85.5	89.7	93.8	94.8	96.7	97.7	97.8	98.5	98.9	98.9	99.3	99.3	99.5	99.8
IV 100	45.8	77.2	85.5	89.8	93.8	94.9	96.7	97.7	97.8	98.5	98.9	98.9	99.3	99.3	99.5	99.8
IV 0	45.8	77.2	85.5	89.8	93.8	94.9	96.7	97.7	97.8	98.5	98.9	98.9	99.3	99.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 14847

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841

WILMINGTON OHIO/CLINTON CO AFB

43-48, 53-60, 62-67

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS UTC

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅓	≥ ⅒	≥ ⅛	≥ 0
NO CEILING	21.0	39.3	42.8	43.6	44.0	44.1	44.4	44.7	44.7	44.8	44.8	44.8	44.9	44.9	44.9	44.9
≥ 20000	22.2	42.8	47.7	48.6	49.0	49.0	49.4	49.7	49.7	50.0	50.0	50.0	50.2	50.2	50.2	50.2
IV 18000	23.2	43.9	47.9	48.7	49.2	49.2	49.6	49.9	49.9	50.2	50.2	50.2	50.4	50.4	50.4	50.4
IV 16000	23.2	44.0	48.0	48.9	49.3	49.3	49.7	50.0	50.0	50.2	50.3	50.3	50.5	50.5	50.5	50.5
IV 14000	23.4	44.8	48.7	49.6	50.1	50.1	50.5	50.8	50.8	51.1	51.1	51.1	51.3	51.3	51.3	51.3
IV 12000	23.3	45.4	49.4	50.4	50.9	51.0	51.3	51.6	51.6	51.9	51.9	51.9	52.1	52.1	52.1	52.1
IV 10000	24.9	47.3	51.8	52.8	53.3	53.4	53.8	54.1	54.1	54.4	54.4	54.4	54.5	54.5	54.5	54.6
IV 9000	25.2	47.9	52.6	53.6	54.2	54.2	54.6	54.9	54.9	55.2	55.2	55.2	55.4	55.4	55.4	55.4
IV 8000	27.0	49.9	54.8	55.8	56.6	56.6	57.0	57.3	57.3	57.6	57.6	57.6	57.8	57.8	57.8	57.9
IV 7000	27.9	51.9	57.0	58.0	58.8	58.9	59.3	59.6	59.6	59.9	59.9	59.9	60.1	60.1	60.1	60.1
IV 6000	28.3	53.0	58.2	59.2	60.3	60.4	60.8	61.1	61.1	61.4	61.4	61.4	61.6	61.6	61.6	61.7
IV 5000	29.6	56.4	61.9	63.3	64.4	64.4	64.9	65.2	65.2	65.5	65.5	65.5	65.7	65.7	65.7	65.7
IV 4500	30.2	57.7	63.3	64.9	66.0	66.0	66.6	66.9	66.9	67.2	67.2	67.2	67.4	67.4	67.4	67.5
IV 4000	30.8	59.0	65.1	67.0	68.1	68.2	68.8	69.1	69.1	69.4	69.4	69.4	69.6	69.6	69.6	69.7
IV 3500	31.8	60.7	67.0	69.1	70.3	70.4	71.0	71.3	71.3	71.6	71.6	71.6	71.8	71.8	71.8	71.9
IV 3000	31.7	62.7	69.4	71.8	73.1	73.2	73.8	74.1	74.1	74.6	74.6	74.6	74.7	74.7	74.7	74.8
IV 2500	32.7	65.8	73.1	75.7	77.2	77.2	77.8	78.1	78.1	78.6	78.6	78.6	78.9	78.9	78.9	79.0
IV 2000	33.1	67.6	75.7	78.8	80.6	80.6	81.2	81.6	81.6	82.1	82.1	82.1	82.4	82.4	82.4	82.4
IV 1800	33.1	68.1	76.2	79.3	81.0	81.1	81.7	82.1	82.1	82.5	82.5	82.5	82.7	82.7	82.7	82.9
IV 1500	33.1	69.6	78.2	81.8	83.8	83.9	84.7	85.1	85.1	85.6	85.6	85.6	85.9	85.9	85.9	86.0
IV 1200	33.6	70.9	79.9	83.7	85.8	86.0	87.0	87.9	87.9	88.4	88.4	88.4	88.7	88.7	88.7	88.8
IV 1000	33.7	71.9	80.9	85.0	87.4	87.7	88.9	89.4	89.4	89.9	89.9	89.9	90.0	90.0	90.0	90.3
IV 900	33.7	72.2	81.3	85.4	88.1	88.6	89.9	90.4	90.4	90.9	90.9	90.9	91.2	91.2	91.2	91.5
IV 800	33.7	72.6	81.6	85.8	88.8	89.3	90.8	91.3	91.3	91.8	91.8	91.8	92.2	92.2	92.2	92.5
IV 700	33.7	72.6	82.7	85.9	89.0	89.6	91.0	91.5	91.5	92.0	92.0	92.0	92.4	92.4	92.4	92.9
IV 600	33.7	73.0	82.4	87.0	90.6	91.2	92.7	93.2	93.2	94.0	94.0	94.0	94.3	94.3	94.3	94.6
IV 500	33.7	73.1	82.4	87.2	91.1	91.7	93.4	94.0	94.0	94.2	94.2	94.2	94.5	94.5	94.5	95.5
IV 400	33.7	73.2	82.5	87.7	91.8	92.4	94.5	95.2	95.2	95.4	95.4	95.4	95.8	95.8	95.8	96.9
IV 300	33.7	73.2	82.5	87.8	91.8	92.5	95.0	95.8	95.8	96.3	96.3	96.3	96.8	96.8	96.8	97.6
IV 200	33.7	73.2	82.5	87.8	91.8	92.6	95.1	96.0	96.0	96.1	96.1	96.1	96.5	96.5	96.5	98.6
IV 100	33.7	73.2	82.5	87.8	92.0	92.6	95.2	96.1	96.1	96.2	96.2	96.2	96.6	96.6	96.6	99.0
IV 0	33.7	73.2	82.5	87.8	92.0	92.6	95.2	96.1	96.2	97.5	97.5	97.5	98.0	98.0	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1679

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841 WILMINGTON OHIO/CLINTON CU AFB

43-48, 53-60, 62-63, 65-67

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0520  
HOURS U.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 5/8	≥ 1/2	≥ 5/16	≥ 1/4
NO CEILING	17.3	35.3	39.1	61.5	42.5	42.5	43.1	43.5	43.5	43.5	43.6	43.6	43.7	43.7	43.7
≥ 20000	19.0	39.3	43.4	48.8	46.9	46.9	47.7	48.1	48.1	48.1	48.2	48.2	48.2	48.3	48.4
≥ 18000	19.2	39.6	43.6	46.1	47.2	47.2	48.0	48.4	48.4	48.4	48.5	48.5	48.5	48.6	48.7
≥ 16000	19.2	39.6	43.7	46.2	47.2	47.3	48.1	48.5	48.5	48.5	48.5	48.5	48.6	48.7	48.7
≥ 14000	19.4	40.5	44.6	47.1	48.2	48.2	49.0	49.4	49.4	49.4	49.5	49.5	49.5	49.6	49.7
≥ 12000	19.9	41.6	45.6	48.2	49.2	49.3	50.0	50.5	50.5	50.5	50.5	50.5	50.6	50.6	50.7
≥ 10000	20.8	43.5	48.1	50.6	51.8	51.8	52.6	53.0	53.0	53.0	53.1	53.1	53.1	53.2	53.2
≥ 9000	21.1	44.0	48.7	51.2	52.3	52.4	53.1	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.8
≥ 8000	22.1	46.0	50.9	53.5	54.7	54.8	55.5	56.0	56.0	56.0	56.0	56.0	56.1	56.2	56.2
≥ 7000	23.3	48.3	53.6	56.3	57.6	57.6	58.4	58.8	58.8	58.8	58.9	58.9	58.9	59.0	59.1
≥ 6000	23.5	49.5	54.6	57.3	58.8	58.8	59.6	60.0	60.0	60.0	60.0	60.0	60.1	60.2	60.2
≥ 5000	24.6	52.2	57.7	60.5	62.2	62.2	63.1	63.5	63.5	63.6	63.6	63.6	63.7	63.8	63.8
≥ 4500	25.0	53.6	59.1	62.0	63.6	63.7	64.6	65.1	65.1	65.1	65.2	65.2	65.2	65.3	65.4
≥ 4000	25.9	56.0	61.8	65.1	66.9	67.0	67.9	68.3	68.3	68.4	68.5	68.5	68.5	68.6	68.6
≥ 3500	26.3	57.5	63.8	67.3	69.4	69.4	70.4	70.8	70.8	70.9	70.9	70.9	71.0	71.1	71.1
≥ 3000	26.9	59.5	66.3	69.9	72.2	72.2	73.2	73.6	73.6	73.7	73.7	73.7	73.8	73.8	73.9
≥ 2500	28.1	62.7	70.3	74.3	77.1	77.2	78.1	78.5	78.5	78.5	78.7	78.7	78.7	78.8	78.8
≥ 2000	28.9	65.6	73.6	78.0	81.1	81.1	82.1	82.5	82.5	82.6	82.6	82.6	82.7	82.7	82.8
≥ 1800	29.0	65.9	74.0	78.7	81.7	81.7	82.7	83.1	83.1	83.2	83.2	83.2	83.3	83.4	83.4
≥ 1500	29.2	67.3	75.9	81.1	84.1	84.1	85.1	85.6	85.6	85.7	85.8	85.8	85.8	86.0	86.0
≥ 1200	29.3	68.3	77.4	82.9	86.3	86.3	87.4	87.9	87.9	88.1	88.1	88.1	88.2	88.3	88.4
≥ 1000	29.3	68.7	77.9	83.6	87.1	87.1	88.7	89.2	89.2	89.3	89.4	89.4	89.4	89.5	89.7
≥ 900	29.3	69.1	78.4	84.1	87.8	87.8	89.6	90.1	90.1	90.3	90.3	90.3	90.7	90.8	90.9
≥ 800	29.3	69.6	78.9	85.0	88.9	88.9	90.9	91.5	91.5	92.0	92.0	92.0	92.1	92.3	92.4
≥ 700	29.3	69.9	79.2	85.3	89.3	89.3	90.1	91.8	92.2	92.3	92.8	92.9	92.9	93.2	93.3
≥ 600	29.3	70.0	79.3	85.9	90.2	91.1	92.8	93.4	93.4	94.0	94.0	94.1	94.2	94.5	94.6
≥ 500	29.3	70.0	79.3	86.2	90.8	91.7	93.9	94.6	94.6	95.2	95.2	95.3	95.5	95.7	95.9
≥ 400	29.3	70.0	79.3	86.6	91.3	92.4	94.6	95.4	95.4	96.0	96.0	96.1	96.4	96.6	96.7
≥ 300	29.3	70.0	79.3	86.7	91.7	92.6	93.1	93.9	93.9	96.6	96.7	96.7	96.9	97.2	97.3
≥ 200	29.3	70.0	79.3	86.7	91.7	92.6	93.5	96.2	96.4	97.2	97.4	97.4	97.9	98.0	98.2
≥ 100	29.3	70.0	79.3	86.7	91.7	92.6	93.5	96.2	96.4	97.2	97.4	97.4	97.9	98.0	98.7
≥ 0	29.3	70.0	79.3	86.7	91.7	92.6	93.5	96.2	96.4	97.2	97.4	97.4	97.9	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1617

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CU AFB  
STATION NAME

43-48,53-60,62-66  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼
NO CEILING	12.0	24.5	28.3	30.9	32.9	33.3	34.2	35.0	35.3	35.9	36.1	36.1	36.4	36.4	36.5
≥ 20000	13.7	29.0	33.6	36.7	39.3	39.8	41.0	42.1	42.4	43.2	43.4	43.4	43.7	43.7	44.0
IV 18000	13.7	29.0	33.6	36.8	39.3	39.8	41.1	42.2	42.6	43.4	43.6	43.6	43.9	43.9	44.2
IV 16000	13.8	29.1	33.7	36.8	39.4	39.9	41.2	42.3	42.6	43.4	43.7	43.7	44.0	44.0	44.3
IV 14000	13.9	29.6	34.3	37.4	40.0	40.5	41.8	42.9	43.3	44.1	44.4	44.4	44.7	44.7	45.0
IV 12000	14.6	31.0	35.9	39.1	41.9	42.3	43.7	44.8	45.2	46.1	46.3	46.3	46.6	46.6	46.9
IV 10000	15.4	32.8	37.8	41.2	44.0	44.5	45.8	47.0	47.4	48.3	48.5	48.5	48.8	48.8	49.1
IV 9000	15.8	33.3	38.7	42.2	45.0	45.5	46.9	48.2	48.6	49.5	49.7	49.7	50.0	50.0	50.3
IV 8000	16.4	35.1	40.7	44.3	47.5	48.0	49.4	50.8	51.2	52.0	52.3	52.3	52.6	52.6	52.9
IV 7000	16.8	37.1	43.1	46.7	50.2	50.7	52.2	53.6	54.0	54.9	55.1	55.1	55.4	55.5	55.8
IV 6000	17.3	38.0	44.3	48.1	51.7	52.2	53.7	55.0	55.4	56.3	56.6	56.6	56.9	57.0	57.3
IV 5000	18.0	40.1	46.6	50.3	54.1	54.6	56.2	57.6	58.0	58.8	59.1	59.1	59.4	59.5	59.8
IV 4500	18.4	41.4	47.9	51.8	55.4	56.0	57.6	59.0	59.4	60.2	60.5	60.5	60.9	60.9	61.2
IV 4000	19.3	43.8	50.8	55.2	59.1	59.7	61.3	62.9	63.3	64.2	64.5	64.5	64.8	64.9	65.2
IV 3500	20.1	45.4	52.8	57.4	61.4	61.9	63.9	65.4	65.8	66.7	67.0	67.0	67.3	67.4	67.7
IV 3000	20.3	47.3	55.4	60.8	64.6	65.2	67.4	69.0	69.4	70.3	70.6	70.6	70.9	71.0	71.3
IV 2500	21.3	50.8	59.3	64.7	69.1	69.7	72.0	73.7	74.1	75.0	75.3	75.3	75.6	75.7	76.0
IV 2000	22.0	53.2	62.1	67.6	72.2	72.9	75.3	77.3	77.8	78.7	79.0	79.0	79.4	79.4	79.7
IV 1800	22.0	53.7	62.7	68.4	73.0	73.6	76.2	78.0	78.5	79.4	79.7	79.7	80.1	80.2	80.4
IV 1500	22.2	53.4	64.9	71.0	75.6	76.2	79.1	80.9	81.4	82.6	82.9	82.9	83.3	83.4	83.7
IV 1200	22.4	56.3	66.2	72.3	77.5	78.2	81.1	83.2	83.7	84.8	85.2	85.2	85.7	85.7	86.0
IV 1000	22.5	56.9	66.9	73.5	78.8	79.7	82.6	83.0	83.4	86.7	87.1	87.1	87.6	87.6	87.9
IV 900	22.5	57.4	67.3	74.3	79.7	80.7	84.0	86.1	86.5	87.7	88.3	88.3	88.8	88.8	89.1
IV 800	22.5	57.6	67.7	74.9	80.7	81.9	85.4	87.6	88.1	89.3	90.1	90.1	90.7	90.8	91.1
IV 700	22.5	58.0	68.1	75.3	81.4	82.6	86.2	88.4	88.9	90.3	91.1	91.1	91.7	91.7	92.2
IV 600	22.5	58.2	68.4	76.1	82.1	83.3	87.4	89.6	90.2	91.7	92.4	92.4	93.0	93.0	93.4
IV 500	22.5	58.3	68.5	76.2	82.6	84.0	88.0	90.4	90.5	92.1	93.4	93.4	94.2	94.3	94.6
IV 400	22.5	58.3	68.5	76.2	82.7	84.1	88.2	90.7	91.2	93.2	94.0	94.1	95.0	95.1	95.4
IV 300	22.5	58.3	68.6	76.3	83.0	84.4	88.9	91.3	92.0	94.1	94.8	95.0	96.1	96.2	96.7
IV 200	22.5	58.3	68.6	76.3	83.0	84.4	89.4	92.0	92.5	94.7	95.4	95.6	96.8	96.9	97.4
IV 100	22.5	58.3	68.6	76.3	83.0	84.4	89.4	92.0	92.6	94.7	95.6	95.8	97.1	97.2	98.1
IV 0	22.5	58.3	68.6	76.3	83.0	84.4	89.4	92.0	92.6	94.7	95.6	95.8	97.2	97.3	98.2

TOTAL NUMBER OF OBSERVATIONS 1708

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CU AFB  
STATION NAME

43-48,53-68  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	14.7	25.3	28.7	30.5	32.4	32.7	33.1	33.3	33.3	33.4	33.4	33.4	33.4	33.4	33.4	33.4
≥ 20000	19.2	32.8	37.2	39.8	42.1	42.5	43.1	43.3	43.3	43.5	43.6	43.6	43.6	43.6	43.8	43.9
≥ 18000	19.2	32.8	37.2	39.8	42.1	42.5	43.1	43.3	43.3	43.5	43.6	43.6	43.6	43.8	43.8	43.9
IV 16000	19.2	32.8	37.2	39.8	42.1	42.5	43.1	43.3	43.3	43.5	43.6	43.6	43.6	43.8	43.8	43.9
IV 14000	19.7	33.3	37.7	40.4	42.8	43.1	43.8	44.0	44.0	44.2	44.2	44.2	44.3	44.3	44.4	44.5
IV 12000	20.4	35.0	39.5	42.1	44.6	45.1	45.8	46.0	46.0	46.2	46.2	46.2	46.3	46.3	46.4	46.5
IV 10000	21.5	37.1	42.0	45.0	47.6	48.1	48.8	49.1	49.1	49.3	49.3	49.3	49.4	49.4	49.5	49.6
IV 9000	21.6	37.8	42.8	45.9	48.6	49.2	49.9	50.1	50.2	50.2	50.4	50.4	50.4	50.4	50.6	50.7
IV 8000	22.2	39.2	44.8	48.0	50.9	51.6	52.4	52.6	52.7	52.8	52.9	52.9	52.9	52.9	53.1	53.2
IV 7000	22.8	41.1	46.9	50.1	53.2	53.9	54.9	55.1	55.2	55.3	55.4	55.4	55.4	55.4	55.6	55.7
IV 6000	23.0	41.6	47.4	50.7	53.8	54.7	55.6	55.9	55.9	56.1	56.1	56.1	56.2	56.2	56.3	56.4
IV 5000	23.5	42.6	48.6	51.9	55.1	56.0	57.0	57.2	57.3	57.4	57.5	57.5	57.6	57.6	57.8	57.9
IV 4500	23.8	43.8	49.9	53.4	56.8	57.7	58.6	59.1	59.2	59.3	59.3	59.3	59.3	59.3	59.7	59.8
IV 4000	24.3	45.4	51.9	55.4	58.9	59.9	61.2	61.6	61.7	61.9	62.1	62.1	62.1	62.1	62.3	62.4
IV 3500	25.8	46.0	53.5	57.2	60.7	61.7	63.1	63.5	63.6	63.8	63.9	63.9	64.0	64.0	64.2	64.3
IV 3000	25.8	46.1	56.2	60.1	63.9	63.0	66.5	66.9	67.0	67.2	67.4	67.4	67.5	67.5	67.7	67.8
IV 2500	27.2	52.0	61.0	65.2	69.5	70.7	72.4	72.9	73.1	73.3	73.5	73.5	73.5	73.5	73.7	73.8
IV 2000	28.1	55.5	64.1	68.8	73.3	74.7	76.6	77.3	77.5	77.7	78.0	78.0	78.0	78.0	78.2	78.4
IV 1800	28.1	56.1	64.8	69.6	74.2	75.7	77.5	78.2	78.5	78.7	78.9	78.9	79.0	79.0	79.2	79.3
IV 1500	28.5	58.3	67.7	72.0	77.8	79.4	81.3	82.1	82.4	82.7	82.9	82.9	83.0	83.0	83.2	83.3
IV 1200	28.7	59.4	69.5	75.2	80.1	81.9	84.0	85.0	85.3	85.5	85.8	85.8	85.8	85.8	86.1	86.2
IV 1000	28.9	60.1	70.6	76.2	81.4	83.2	85.5	86.5	86.8	87.1	87.5	87.5	87.5	87.5	87.7	87.8
IV 900	29.0	60.5	71.2	76.9	82.4	84.3	86.6	87.7	88.1	88.5	88.8	88.8	88.8	88.8	89.1	89.2
IV 800	29.1	60.8	71.8	77.7	83.6	85.5	88.2	89.3	89.8	90.2	90.7	90.8	91.0	91.0	91.4	91.5
IV 700	29.1	61.1	72.2	78.1	84.4	86.7	89.2	90.6	90.9	91.4	91.8	91.9	92.1	92.1	92.5	92.6
IV 600	29.1	61.1	72.4	78.3	85.4	87.7	90.5	91.9	92.2	92.8	93.3	93.5	93.7	93.7	94.0	94.1
IV 500	29.1	61.3	72.6	78.9	85.8	88.3	91.2	92.9	93.3	94.2	94.8	94.9	95.2	95.2	95.5	95.6
IV 400	29.1	61.3	72.6	79.0	86.0	88.6	91.6	93.6	94.0	95.1	96.0	96.2	96.5	96.5	96.9	97.0
IV 300	29.1	61.3	72.6	79.1	86.1	88.8	91.9	94.0	94.4	95.8	97.0	97.1	97.6	97.6	98.1	98.2
IV 200	29.1	61.4	72.8	79.2	86.2	88.8	92.1	94.3	94.8	96.3	97.6	97.7	98.4	98.4	99.4	99.6
IV 100	29.1	61.4	72.8	79.2	86.2	88.8	92.1	94.3	94.8	96.3	97.6	97.7	98.4	98.4	99.4	99.6
IV 0	29.1	61.4	72.8	79.2	86.2	88.8	92.1	94.3	94.8	96.3	97.6	97.7	98.4	98.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 1908

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CU AFB  
STATION NAME

43-48, 53-68  
YEARS

NOV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	19,9	27,1	30,9	31,5	31,8	31,8	31,9	31,9	31,9	31,9	31,9	31,9	31,9	31,9	31,9	31,9
≥ 20000	27,4	40,4	42,9	43,8	44,2	44,2	44,2	44,2	44,2	44,2	44,2	44,2	44,2	44,2	44,2	44,2
IV 18000	27,5	40,5	43,0	43,9	44,3	44,3	44,3	44,3	44,3	44,3	44,3	44,3	44,3	44,3	44,3	44,3
IV 16000	27,5	40,6	43,1	44,0	44,3	44,3	44,4	44,4	44,4	44,4	44,4	44,4	44,4	44,4	44,4	44,4
IV 14000	27,9	41,2	43,7	44,6	45,0	45,1	45,1	45,1	45,1	45,1	45,1	45,1	45,1	45,1	45,1	45,1
IV 12000	29,1	42,3	45,1	47,1	47,5	47,6	47,8	47,8	47,9	47,9	47,9	47,9	47,9	47,9	47,9	47,9
IV 10000	30,6	46,4	49,6	50,8	51,3	51,4	51,6	51,6	51,7	51,7	51,7	51,7	51,7	51,7	51,7	51,7
IV 9000	30,7	47,0	50,8	51,4	52,0	52,1	52,3	52,4	52,4	52,5	52,5	52,5	52,5	52,5	52,5	52,5
IV 8000	31,7	48,8	52,4	53,7	54,4	54,5	54,7	54,8	54,8	54,8	54,8	54,8	54,8	54,8	54,8	54,8
IV 7000	32,2	50,2	53,9	55,3	56,0	56,1	56,3	56,4	56,4	56,5	56,5	56,5	56,5	56,5	56,5	56,5
IV 6000	32,8	51,0	54,7	56,1	57,0	57,2	57,4	57,5	57,5	57,6	57,6	57,6	57,6	57,6	57,6	57,6
IV 5000	33,1	52,0	55,9	57,3	58,2	58,5	58,7	58,7	58,8	58,8	58,8	58,8	58,8	58,8	58,8	58,8
IV 4500	33,4	52,8	56,7	58,1	59,1	59,4	59,6	59,8	59,8	59,9	59,9	59,9	59,9	59,9	59,9	59,9
IV 4000	34,3	54,6	58,6	60,0	61,1	61,4	61,7	62,0	62,0	62,1	62,1	62,1	62,1	62,1	62,1	62,1
IV 3500	35,2	55,7	59,7	61,2	62,4	62,7	63,0	63,2	63,3	63,4	63,4	63,4	63,4	63,4	63,4	63,4
IV 3000	36,7	59,1	63,8	65,4	66,7	67,0	67,3	67,6	67,6	67,7	67,7	67,7	67,7	67,7	67,7	67,7
IV 2500	37,9	62,8	68,1	69,9	71,3	71,6	72,1	72,4	72,5	72,6	72,6	72,6	72,6	72,6	72,6	72,6
IV 2000	39,8	67,6	73,9	76,2	78,1	78,6	79,2	79,6	79,6	79,9	79,9	79,9	79,9	79,9	79,9	79,9
IV 1800	40,0	68,3	74,9	77,4	79,4	79,9	80,5	80,9	80,9	81,2	81,2	81,2	81,2	81,2	81,2	81,2
IV 1500	40,3	70,2	77,2	80,0	82,3	82,8	84,0	84,4	84,5	84,8	84,8	84,8	84,8	84,8	84,8	84,8
IV 1200	40,5	72,2	79,7	82,8	85,7	86,4	87,4	87,8	87,9	88,4	88,5	88,5	88,5	88,5	88,5	88,5
IV 1000	40,7	72,9	80,6	84,1	87,3	87,8	89,2	89,8	89,9	90,3	90,4	90,4	90,4	90,4	90,4	90,4
IV 900	40,7	73,3	81,1	84,8	88,1	88,9	90,2	90,8	91,0	91,4	91,5	91,5	91,5	91,5	91,5	91,5
IV 800	40,6	73,8	81,7	85,6	89,4	90,2	91,7	92,5	92,8	93,2	93,4	93,4	93,4	93,4	93,4	93,4
IV 700	40,8	74,8	82,8	87,0	91,3	92,5	94,3	95,3	95,8	96,6	96,9	97,0	97,0	97,0	97,0	97,0
IV 600	40,8	74,0	82,2	86,8	91,3	92,5	94,3	95,3	95,8	96,6	96,9	97,0	97,0	97,0	97,0	97,0
IV 500	40,8	74,0	82,2	86,8	91,3	92,5	94,3	95,3	95,8	96,6	96,9	97,0	97,0	97,0	97,0	97,0
IV 400	40,8	74,1	82,3	87,2	92,0	93,3	95,8	96,9	97,4	98,3	98,7	98,8	98,8	98,8	98,8	98,8
IV 300	40,8	74,1	82,3	87,2	92,0	93,3	95,8	96,9	97,4	98,3	98,7	98,8	98,8	98,8	98,8	98,8
IV 200	40,8	74,1	82,3	87,2	92,0	93,3	95,8	96,9	97,4	98,3	98,7	98,8	98,8	98,8	98,8	98,8
IV 100	40,8	74,1	82,3	87,2	92,0	93,3	95,8	96,9	97,4	98,3	98,7	98,8	98,8	98,8	98,8	98,8
IV 0	40,8	74,1	82,3	87,2	92,0	93,3	95,8	96,9	97,4	98,3	98,7	98,8	98,8	98,8	98,8	98,8

TOTAL NUMBER OF OBSERVATIONS 1917

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CU AFB  
STATION NAME

43-48,53-68  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	21,1	29,7	31,7	32,0	32,2	32,2	32,2	32,2	32,2	32,2	32,2	32,2	32,2	32,2	32,2	32,2
≥ 20000	30,3	43,0	43,9	46,2	46,4	46,4	46,4	46,4	46,4	46,4	46,4	46,4	46,4	46,4	46,4	46,4
IV 18000	30,4	43,1	46,0	46,3	46,5	46,5	46,5	46,5	46,5	46,5	46,5	46,5	46,5	46,5	46,5	46,5
IV 16000	30,4	43,1	46,0	46,3	46,5	46,5	46,6	46,6	46,6	46,6	46,6	46,6	46,6	46,6	46,6	46,6
IV 14000	30,8	44,2	47,1	47,3	47,7	47,7	47,7	47,7	47,7	47,7	47,7	47,7	47,7	47,7	47,7	47,7
IV 12000	32,3	46,3	49,3	49,7	50,1	50,1	50,2	50,2	50,2	50,2	50,2	50,2	50,2	50,2	50,2	50,2
IV 10000	34,2	49,9	52,9	53,4	53,8	53,8	53,9	53,9	53,9	53,9	53,9	53,9	53,9	53,9	53,9	53,9
IV 9000	34,2	50,1	53,3	53,9	54,4	54,4	54,5	54,5	54,5	54,5	54,5	54,5	54,5	54,5	54,5	54,5
IV 8000	35,0	51,6	53,3	56,3	56,2	56,8	56,9	56,9	56,9	56,9	56,9	56,9	56,9	56,9	56,9	56,9
IV 7000	35,0	52,6	56,6	57,6	58,2	58,2	58,3	58,3	58,3	58,3	58,3	58,3	58,3	58,3	58,3	58,3
IV 6000	35,8	53,4	57,6	58,6	59,3	59,3	59,4	59,5	59,5	59,5	59,5	59,5	59,5	59,5	59,5	59,5
IV 5000	36,1	54,7	59,1	60,2	61,0	61,0	61,1	61,2	61,2	61,2	61,2	61,2	61,2	61,2	61,2	61,2
IV 4500	36,7	55,6	60,1	61,2	62,2	62,3	62,4	62,5	62,5	62,5	62,5	62,5	62,5	62,5	62,5	62,5
IV 4000	37,7	57,6	62,2	63,4	64,4	64,4	64,7	64,9	65,0	65,0	65,0	65,0	65,0	65,0	65,0	65,0
IV 3500	38,7	59,6	64,4	65,5	66,7	66,9	67,1	67,2	67,2	67,2	67,2	67,2	67,2	67,2	67,2	67,2
IV 3000	40,3	63,0	68,0	69,4	70,6	70,9	71,2	71,3	71,3	71,3	71,3	71,3	71,3	71,3	71,3	71,3
IV 2500	41,3	66,9	72,6	74,1	75,6	76,0	76,4	76,5	76,5	76,5	76,5	76,5	76,5	76,5	76,5	76,5
IV 2000	41,9	70,3	76,3	78,2	80,1	80,7	81,3	81,6	81,6	81,6	81,6	81,6	81,6	81,6	81,6	81,6
IV 1800	42,0	71,1	77,3	79,3	81,2	81,8	82,6	82,7	82,7	82,7	82,7	82,7	82,7	82,7	82,7	82,7
IV 1500	42,1	72,9	79,3	81,3	83,8	84,3	85,6	85,7	85,7	85,7	85,7	85,7	85,7	85,7	85,7	85,7
IV 1200	42,2	74,3	81,2	83,6	86,1	87,0	88,2	88,3	88,4	88,4	88,4	88,4	88,4	88,4	88,4	88,4
IV 1000	42,2	74,8	81,9	84,5	87,3	88,4	89,5	89,8	89,9	89,9	89,9	89,9	89,9	89,9	89,9	89,9
IV 900	42,3	74,9	82,1	85,1	88,3	89,4	90,7	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1
IV 800	42,3	75,3	82,5	85,9	89,4	90,8	92,3	92,8	92,9	92,9	92,9	92,9	92,9	92,9	92,9	92,9
IV 700	42,3	75,4	82,8	86,2	89,9	91,3	93,2	93,9	94,0	94,0	94,0	94,0	94,0	94,0	94,0	94,0
IV 600	42,3	75,4	83,0	86,6	90,7	92,2	94,3	95,2	95,3	95,3	95,3	95,3	95,3	95,3	95,3	95,3
IV 500	42,3	75,5	83,0	86,7	91,0	92,5	95,2	96,2	96,3	96,3	96,3	96,3	96,3	96,3	96,3	96,3
IV 400	42,3	75,5	83,1	86,7	91,2	92,7	95,5	96,3	96,6	96,6	96,6	96,6	96,6	96,6	96,6	96,6
IV 300	42,3	75,6	83,2	87,0	91,3	92,9	95,7	96,6	97,0	97,0	97,0	97,0	97,0	97,0	97,0	97,0
IV 200	42,3	75,6	83,2	87,0	91,3	92,9	95,8	96,9	97,0	97,0	97,0	97,0	97,0	97,0	97,0	97,0
IV 100	42,3	75,6	83,2	87,0	91,3	92,9	95,8	96,9	97,0	97,0	97,0	97,0	97,0	97,0	97,0	97,0
IV 0	42,3	75,6	83,2	87,0	91,3	92,9	95,8	96,9	97,0	97,0	97,0	97,0	97,0	97,0	97,0	97,0

TOTAL NUMBER OF OBSERVATIONS 1902

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

43-48.53-68  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS TLT

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼
NO CEILING	20.7	35.7	38.0	39.1	39.4	39.5	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
≥ 20000	26.6	44.5	47.4	48.5	48.8	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
IV 18000	26.7	44.6	47.5	48.6	48.9	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
IV 16000	26.7	44.7	47.6	48.7	49.0	49.1	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 14000	27.1	45.1	48.1	49.3	49.6	49.8	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 12000	28.2	47.0	50.0	51.2	51.7	51.9	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 10000	29.5	49.2	52.6	54.0	54.5	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 9000	29.5	49.4	53.0	54.4	55.1	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 8000	30.7	51.6	55.5	57.1	57.7	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 7000	31.4	53.2	57.2	58.8	59.5	59.6	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 6000	31.8	54.1	58.3	60.1	60.7	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 5000	32.8	55.9	60.4	62.4	63.1	63.3	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 4500	33.5	57.3	62.2	64.5	65.4	65.6	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 4000	34.6	60.0	65.2	67.5	68.5	68.8	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 3500	35.7	62.7	67.9	70.4	71.3	71.6	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 3000	36.7	64.6	70.1	72.9	73.9	74.2	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 2500	37.3	67.7	73.6	77.2	78.4	78.7	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 2000	37.7	70.6	77.0	80.8	82.4	82.7	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 1800	37.8	71.0	77.6	81.8	83.3	83.8	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 1500	37.8	72.4	79.2	84.0	86.2	86.7	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 1200	37.8	73.2	80.4	85.6	88.1	88.7	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 1000	37.9	73.7	81.3	86.8	89.6	90.3	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 900	37.9	73.8	81.4	87.0	89.9	90.7	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 800	37.9	74.0	81.8	87.4	90.5	91.4	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 700	37.9	74.2	82.0	87.7	90.9	91.8	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 600	37.9	74.2	82.3	88.1	91.6	92.7	94.7	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 500	37.9	74.2	82.3	88.2	91.8	93.3	95.4	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 400	37.9	74.2	82.3	88.2	91.9	93.6	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 300	37.9	74.2	82.3	88.2	91.9	93.6	96.1	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 200	37.9	74.2	82.3	88.2	91.9	93.6	96.2	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 100	37.9	74.2	82.3	88.2	91.9	93.6	96.2	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 0	37.9	74.2	82.3	88.2	91.9	93.6	96.2	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1

TOTAL NUMBER OF OBSERVATIONS 1968



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841

WILMINGTON OHIO/CLINTON CO AFH

43-48, 53-68

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ 4	≥ 3
NO CEILING ≥ 20000	21.4	39.7	42.0	42.6	42.8	42.9	43.1	43.2	43.2	43.3	43.3	43.3	43.3	43.4	43.4	43.4
IV 18000	23.0	46.8	49.7	50.5	50.7	50.7	50.9	51.2	51.2	51.3	51.3	51.3	51.3	51.5	51.5	51.5
IV 16000	25.0	46.8	49.8	50.5	50.7	50.8	51.0	51.2	51.2	51.3	51.3	51.3	51.3	51.5	51.5	51.5
IV 14000	25.7	47.1	50.1	50.8	51.0	51.1	51.3	51.5	51.5	51.5	51.5	51.5	51.5	51.6	51.9	51.9
IV 12000	26.9	47.4	50.5	51.2	51.3	51.3	51.7	52.0	52.0	52.1	52.1	52.1	52.1	52.2	52.3	52.3
IV 10000	26.3	46.5	51.6	52.3	52.9	52.9	53.1	53.4	53.4	53.5	53.5	53.5	53.5	53.6	53.7	53.7
IV 9000	27.5	50.3	53.7	54.6	55.1	55.1	55.3	55.6	55.6	55.7	55.7	55.7	55.7	55.8	55.9	55.9
IV 8000	27.6	50.8	54.3	55.3	55.8	55.9	56.1	56.3	56.3	56.4	56.4	56.4	56.4	56.6	56.7	56.7
IV 7000	29.9	53.0	57.2	58.3	58.9	58.9	59.1	59.4	59.4	59.5	59.5	59.5	59.5	59.6	59.7	59.7
IV 6000	29.9	53.2	59.1	60.2	60.8	60.8	61.0	61.3	61.3	61.4	61.4	61.4	61.4	61.5	61.6	61.6
IV 5000	30.4	56.5	60.6	61.6	62.4	62.5	62.7	63.0	63.0	63.1	63.1	63.1	63.1	63.2	63.3	63.3
IV 4500	31.4	58.8	63.3	64.3	65.3	65.5	65.5	66.0	66.0	66.1	66.1	66.1	66.1	66.3	66.4	66.4
IV 4000	32.0	60.4	65.4	66.9	67.6	67.6	67.9	68.2	68.2	68.3	68.3	68.3	68.3	68.4	68.5	68.5
IV 3500	33.2	62.3	68.0	69.6	70.3	70.3	70.6	70.9	70.9	71.0	71.0	71.0	71.0	71.1	71.2	71.2
IV 3000	33.8	64.9	70.7	72.3	73.1	73.2	73.4	73.7	73.7	73.8	73.8	73.8	73.8	74.0	74.1	74.1
IV 2500	34.1	66.1	72.0	73.9	74.7	74.8	75.1	75.4	75.4	75.5	75.5	75.5	75.5	75.7	75.8	75.8
IV 2000	34.9	69.8	76.2	78.3	79.3	79.4	79.7	80.0	80.0	80.1	80.1	80.1	80.1	80.4	80.4	80.4
IV 1800	35.3	72.1	79.1	81.8	83.1	83.3	83.8	84.1	84.1	84.2	84.2	84.2	84.2	84.4	84.5	84.5
IV 1500	35.4	72.6	79.8	82.7	84.0	84.2	84.8	85.2	85.2	85.3	85.3	85.3	85.3	85.4	85.5	85.5
IV 1200	35.5	74.0	81.4	84.6	86.3	86.5	87.4	87.9	87.9	88.0	88.0	88.0	88.0	88.1	88.2	88.2
IV 1000	35.6	74.7	82.4	85.9	88.0	88.3	89.3	89.7	89.7	89.9	89.9	89.9	89.9	90.1	90.2	90.2
IV 900	35.6	75.6	83.4	87.0	89.5	89.9	91.2	91.7	91.7	91.8	91.8	91.8	91.8	92.0	92.1	92.1
IV 800	35.6	75.9	83.7	87.4	90.3	90.8	92.1	92.6	92.6	92.8	92.8	92.8	92.8	92.9	93.0	93.1
IV 700	35.6	76.1	84.1	87.9	91.0	91.4	92.8	93.3	93.3	93.4	93.4	93.4	93.4	93.6	93.7	93.7
IV 600	35.6	76.3	84.3	88.2	91.6	91.9	93.3	94.0	94.0	94.1	94.1	94.1	94.1	94.3	94.4	94.4
IV 500	35.6	76.4	84.4	88.6	92.4	92.9	94.6	95.1	95.2	95.3	95.3	95.3	95.3	95.5	95.6	95.6
IV 400	35.6	76.5	84.6	88.8	92.7	93.1	94.8	95.8	95.8	96.0	96.0	96.0	96.0	96.2	96.3	96.3
IV 300	35.6	76.5	84.6	88.8	92.8	93.7	95.8	96.7	96.7	97.0	97.0	97.0	97.0	97.2	97.3	97.3
IV 200	35.6	76.5	84.6	88.8	93.1	93.7	95.9	96.9	96.9	97.0	97.0	97.0	97.0	97.2	97.3	97.3
IV 100	35.6	76.5	84.6	88.8	93.1	93.7	95.9	96.9	96.9	97.0	97.0	97.0	97.0	97.2	97.3	97.3
IV 0	35.6	76.5	84.6	88.8	93.1	93.7	95.9	96.9	96.9	97.0	97.0	97.0	97.0	97.2	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS 1960

DATA PROCESSING DIVISION  
ETAC, USAF  
ASBREVILLE, MO, C, 68801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CU AFB

43-48, 53-68  
YEARS

NOV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
MONTHS (L.S.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	1,0	32,3	35,1	30,3	27,1	37,2	37,5	37,7	37,8	37,9	37,9	37,9	38,0	38,0	38,0	38,0
≥ 20000	23,4	40,1	43,6	43,1	46,0	46,1	46,3	46,8	46,8	47,0	47,0	47,0	47,1	47,1	47,2	47,2
IV 18000	23,5	40,2	43,7	43,2	46,1	46,2	46,6	46,9	46,9	47,1	47,1	47,1	47,2	47,2	47,3	47,4
IV 16000	23,5	40,2	43,8	43,3	46,2	46,3	46,7	47,0	47,0	47,2	47,2	47,2	47,3	47,4	47,4	47,5
IV 14000	23,5	40,9	44,4	46,0	46,9	47,0	47,5	47,7	47,8	48,0	48,0	48,0	48,1	48,1	48,2	48,2
IV 12000	24,6	42,4	46,1	47,6	48,7	48,8	49,3	49,6	49,6	49,8	49,9	49,9	50,0	50,0	50,0	50,1
IV 10000	25,8	44,7	48,7	50,4	51,5	51,7	52,2	52,4	52,5	52,7	52,7	52,8	52,8	52,8	52,9	52,9
IV 9000	26,0	45,3	49,4	51,1	52,3	52,5	52,9	53,2	53,3	53,5	53,5	53,5	53,6	53,6	53,7	53,7
IV 8000	27,1	47,2	51,6	53,3	54,8	55,0	55,5	55,8	55,8	56,0	56,1	56,1	56,1	56,2	56,2	56,3
IV 7000	27,8	48,9	53,6	55,3	56,9	57,1	57,6	57,9	58,0	58,1	58,2	58,2	58,3	58,3	58,4	58,4
IV 6000	28,4	49,8	54,6	56,6	58,1	58,3	58,8	59,2	59,2	59,4	59,4	59,5	59,5	59,6	59,6	59,7
IV 5000	28,9	51,7	56,8	58,9	60,5	60,7	61,3	61,6	61,7	61,9	61,9	62,0	62,0	62,0	62,1	62,1
IV 4500	29,4	52,9	58,2	60,4	62,0	62,3	62,9	63,3	63,3	63,5	63,6	63,7	63,7	63,8	63,8	63,8
IV 4000	30,3	55,0	60,5	62,9	64,7	65,0	65,7	66,1	66,2	66,3	66,4	66,5	66,5	66,6	66,6	66,7
IV 3500	31,1	56,8	62,6	65,1	66,9	67,2	68,0	68,4	68,4	68,6	68,7	68,7	68,8	68,8	68,9	69,0
IV 3000	31,9	59,1	65,2	68,0	70,0	70,3	71,1	71,5	71,6	71,8	71,9	72,0	72,0	72,1	72,1	72,1
IV 2500	32,9	62,6	69,4	72,8	74,7	75,1	76,0	76,4	76,5	76,7	76,8	76,8	76,9	76,9	77,0	77,1
IV 2000	33,9	65,5	72,9	76,4	78,9	79,4	80,5	81,0	81,0	81,3	81,4	81,4	81,5	81,5	81,6	81,7
IV 1800	33,7	66,1	73,6	77,2	79,8	80,3	81,4	81,9	82,0	82,3	82,4	82,4	82,5	82,5	82,6	82,6
IV 1500	33,9	67,7	75,7	79,7	82,6	83,1	84,5	85,0	85,1	85,3	85,6	85,6	85,7	85,7	85,8	85,8
IV 1200	34,1	68,9	77,2	81,0	84,8	85,3	86,9	87,5	87,6	88,0	88,2	88,3	88,3	88,4	88,4	88,4
IV 1000	34,1	69,5	78,1	82,7	86,2	87,0	88,5	89,2	89,4	89,8	90,0	90,0	90,1	90,1	90,2	90,3
IV 900	34,3	69,8	78,5	83,2	86,9	87,8	89,3	90,2	90,3	90,8	91,0	91,0	91,2	91,2	91,3	91,3
IV 800	34,3	70,2	78,9	83,9	87,9	88,9	90,7	91,6	91,7	92,3	92,5	92,5	92,7	92,7	92,8	92,9
IV 700	34,4	70,4	79,2	84,2	88,4	89,5	91,3	92,4	92,6	93,1	93,4	93,4	93,6	93,6	93,8	93,8
IV 600	34,4	70,5	79,5	84,8	89,4	90,6	92,8	93,7	93,8	94,6	94,9	94,9	95,1	95,2	95,3	95,3
IV 500	34,4	70,5	79,5	85,0	89,8	91,0	93,5	94,6	94,8	95,6	95,9	96,0	96,3	96,3	96,5	96,5
IV 400	34,4	70,6	79,6	85,2	90,1	91,4	94,1	95,3	95,5	96,3	96,5	96,9	97,0	97,4	97,5	97,6
IV 300	34,4	70,6	79,6	85,2	90,2	91,5	94,4	95,6	95,9	96,1	97,0	97,5	98,0	98,1	98,3	98,4
IV 200	34,4	70,6	79,6	85,2	90,2	91,6	94,6	95,9	96,1	97,4	98,0	98,1	98,7	98,8	99,1	99,2
IV 100	34,4	70,6	79,6	85,2	90,2	91,6	94,6	95,9	96,1	97,4	98,1	98,2	98,9	99,0	99,3	99,5
IV 0	34,4	70,6	79,6	85,2	90,2	91,6	94,6	95,9	96,1	97,4	98,1	98,2	98,9	99,0	99,4	100,0

TOTAL NUMBER OF OBSERVATIONS 14724

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841 STATION WILMINGTON UNID/CLINTON CU AFB

43-48, 53-60, 62-67 YEARS

DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	10.4 19.1	32.1 36.9	36.1 41.3	38.0 44.1	39.1 44.8	39.2 44.9	39.5 45.2	39.6 45.3	39.6 45.3	39.7 45.4	39.7 45.4	39.7 45.5	39.7 45.5	39.7 45.5	39.7 45.5	39.9 45.8
IV 18000 16000	19.1 19.1	36.9 36.9	41.3 41.3	44.1 44.1	44.8 44.8	44.9 44.9	45.2 45.2	45.3 45.3	45.3 45.3	45.4 45.4	45.4 45.4	45.5 45.5	45.5 45.5	45.5 45.5	45.5 45.5	45.8 45.8
IV 14000 12000	19.2 20.3	37.2 40.1	41.7 44.8	44.3 47.7	45.1 48.6	45.2 48.6	45.5 49.0	45.6 49.1	45.6 49.1	45.7 49.2	45.7 49.2	45.8 49.3	45.8 49.3	45.8 49.3	45.8 49.3	46.1 49.5
IV 10000 9000	21.3 21.7	42.5 43.2	47.3 48.0	50.2 51.0	51.1 52.1	51.1 52.2	51.5 52.5	51.6 52.6	51.6 52.6	51.7 52.7	51.7 52.7	51.7 52.7	51.7 52.7	51.8 52.8	51.8 52.8	52.0 53.0
IV 8000 7000	21.9 21.9	44.0 44.9	49.3 50.2	52.8 53.5	53.9 54.7	54.0 54.8	54.4 55.2	54.5 55.3	54.5 55.3	54.6 55.4	54.6 55.4	54.7 55.4	54.7 55.4	54.7 55.5	54.7 55.5	55.0 55.7
IV 6000 5000	21.9 22.0	45.7 47.7	51.2 53.8	54.5 57.7	55.9 59.4	55.9 59.4	56.3 59.9	56.5 60.1	56.5 60.0	56.5 60.1	56.5 60.1	56.6 60.2	56.6 60.2	56.6 60.2	56.6 60.2	56.9 60.5
IV 4500 4000	22.4 23.2	48.9 49.6	55.2 55.9	59.1 60.0	61.0 61.9	61.1 62.0	61.5 62.5	61.6 62.7	61.6 62.7	61.7 62.7	61.7 62.7	61.8 62.8	61.8 62.8	61.8 62.8	61.8 62.8	62.1 63.1
IV 3500 3000	23.7 24.1	50.9 52.8	57.3 59.7	61.7 64.2	63.7 66.2	63.7 66.2	64.5 67.2	64.6 67.3	64.6 67.3	64.6 67.4	64.6 67.4	64.7 67.4	64.7 67.4	64.7 67.4	64.7 67.4	65.0 67.7
IV 2500 2000	24.7 25.1	53.0 57.9	62.4 66.3	67.3 71.3	69.7 74.2	69.7 74.2	70.0 75.7	71.1 75.8	71.3 75.8	71.3 75.8	71.3 75.9	71.4 76.0	71.4 76.0	71.4 76.1	71.4 76.1	71.7 76.3
IV 1800 1500	25.4 25.4	58.9 60.4	67.3 69.4	72.8 75.6	75.6 78.7	75.6 79.0	77.1 80.3	77.3 80.6	77.3 80.6	77.3 80.9	77.3 80.9	77.4 81.0	77.4 81.1	77.4 81.1	77.4 81.1	77.8 81.4
IV 1200 1000	25.0 25.0	61.9 62.3	71.8 72.9	78.8 80.1	82.5 83.9	82.5 84.3	84.3 85.8	84.6 86.3	84.6 86.3	85.1 86.7	85.1 86.7	85.2 87.0	85.2 87.2	85.2 87.2	85.3 87.3	85.5 87.6
IV 900 800	25.0 25.0	62.7 63.0	73.6 74.3	81.1 82.8	85.0 86.3	85.0 86.6	87.0 88.4	87.3 88.9	87.3 88.9	88.0 89.1	88.2 89.1	88.2 89.1	88.3 89.0	88.3 89.0	88.3 89.0	88.8 90.8
IV 700 600	25.0 25.0	63.2 63.3	74.4 74.7	82.9 82.9	86.7 87.5	86.7 88.0	88.8 89.7	89.4 90.4	89.4 90.6	90.4 91.4	90.7 91.8	90.8 91.9	91.3 92.4	91.3 92.4	91.5 92.5	91.8 92.8
IV 500 400	25.0 25.0	63.4 63.6	75.0 75.3	83.0 83.3	88.3 88.9	88.3 89.9	90.7 91.5	91.6 92.6	91.8 92.8	92.8 93.8	93.2 94.3	93.2 94.3	93.8 95.1	93.8 95.3	94.1 95.6	94.4 95.8
IV 300 200	25.0 25.0	63.6 63.6	75.3 75.3	83.4 83.6	89.0 89.1	89.0 89.8	89.7 91.8	91.8 93.0	93.2 93.5	94.4 95.0	95.0 95.8	95.1 95.9	96.2 97.1	96.2 97.1	96.8 97.9	97.1 98.3
IV 100 0	25.0 25.0	63.6 63.6	75.3 75.3	83.4 83.4	89.1 89.1	89.1 89.8	91.9 91.9	93.2 93.2	93.5 93.5	95.2 95.2	95.9 95.9	96.0 96.0	97.4 97.4	97.4 97.4	98.3 98.3	98.9 100.0

TOTAL NUMBER OF OBSERVATIONS 1674

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CU AFB  
STATION NAME

43-48.53-60.63.65-67  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼
NO CEILING	15.0	29.8	32.8	35.4	36.5	36.5	36.7	36.9	36.9	37.1	37.3	37.3	37.6	37.6	37.8
≥ 20000	16.3	34.0	37.8	40.8	42.0	42.0	42.2	42.4	42.4	42.6	42.8	42.8	43.1	43.1	43.4
IV 18000	16.3	34.0	37.8	40.8	42.0	42.0	42.2	42.4	42.4	42.6	42.8	42.8	43.1	43.1	43.4
IV 16000	16.3	34.0	37.8	40.8	42.0	42.0	42.2	42.4	42.4	42.6	42.8	42.8	43.1	43.1	43.4
IV 14000	16.7	34.6	38.4	41.4	42.6	42.6	42.8	43.1	43.1	43.2	43.4	43.4	43.8	43.8	44.0
IV 12000	18.2	37.4	41.6	44.9	46.1	46.1	46.3	46.6	46.6	46.8	47.0	47.0	47.3	47.3	47.5
IV 10000	19.1	40.2	44.6	47.9	49.1	49.1	49.4	49.7	49.7	49.9	50.1	50.1	50.4	50.4	50.6
IV 9000	19.3	40.7	45.1	48.3	49.7	49.7	50.0	50.3	50.3	50.4	50.6	50.6	50.9	50.9	51.2
IV 8000	19.6	41.8	46.3	50.0	51.4	51.4	51.8	52.0	52.0	52.2	52.4	52.4	52.7	52.7	53.0
IV 7000	19.6	42.6	47.4	50.9	52.4	52.4	52.8	53.0	53.0	53.2	53.4	53.4	53.7	53.7	54.0
IV 6000	19.9	43.1	47.9	51.3	53.0	53.0	53.3	53.6	53.6	53.8	54.0	54.0	54.3	54.3	54.5
IV 5000	20.9	44.1	50.3	53.3	56.1	56.1	56.7	56.9	56.9	57.1	57.3	57.3	57.6	57.6	57.9
IV 4500	21.1	45.8	51.1	55.2	57.1	57.1	57.8	58.0	58.0	58.2	58.4	58.4	58.7	58.7	59.0
IV 4000	21.3	47.8	53.3	57.6	59.7	59.7	60.4	60.6	60.6	60.9	61.0	61.0	61.4	61.4	61.6
IV 3500	21.7	48.9	54.7	59.2	61.5	61.5	62.2	62.4	62.4	62.7	62.9	62.9	63.2	63.2	63.4
IV 3000	22.2	50.6	56.6	61.3	63.9	63.9	64.8	65.0	65.0	65.3	65.3	65.3	65.8	65.8	66.0
IV 2500	23.0	53.3	59.6	64.9	67.3	67.3	68.6	68.9	68.9	69.3	69.3	69.3	69.8	69.8	70.1
IV 2000	23.3	56.9	63.6	69.8	72.4	72.4	73.8	74.3	74.3	74.7	74.9	74.9	75.2	75.2	75.4
IV 1800	23.6	57.9	64.3	70.3	73.7	73.7	75.1	75.6	75.6	76.0	76.2	76.2	76.5	76.5	76.8
IV 1500	23.9	60.1	67.7	73.9	77.7	77.7	79.9	79.9	79.9	80.4	80.6	80.6	80.9	80.9	81.3
IV 1200	23.9	61.3	69.7	76.3	80.3	80.3	82.4	83.0	83.0	83.6	83.9	83.9	84.3	84.3	84.6
IV 1000	23.9	61.1	70.8	77.8	82.2	82.2	84.2	84.9	84.9	85.3	85.6	85.6	86.0	86.0	86.9
IV 900	23.9	62.4	71.2	78.1	82.8	82.8	85.0	85.8	85.8	86.4	86.9	86.9	87.4	87.4	87.8
IV 800	23.9	62.8	71.8	78.1	84.4	84.4	86.7	87.6	87.6	88.4	89.1	89.1	89.6	89.6	90.0
IV 700	23.9	63.1	72.3	80.0	85.4	85.4	87.8	88.6	88.6	89.6	90.3	90.3	90.9	90.9	91.3
IV 600	23.9	63.9	72.3	80.4	85.9	85.9	88.6	89.5	89.5	90.8	91.7	91.7	92.4	92.4	92.8
IV 500	23.9	65.6	73.0	80.9	86.8	86.8	89.6	90.7	90.7	92.2	93.2	93.2	93.9	93.9	94.4
IV 400	23.9	65.6	73.0	81.2	87.2	87.2	90.1	91.4	91.4	93.2	94.2	94.2	95.3	95.3	96.0
IV 300	23.9	65.6	73.0	81.4	87.6	87.6	90.7	92.0	92.0	94.1	95.1	95.1	96.3	96.3	97.2
IV 200	23.9	65.6	73.0	81.4	87.6	87.6	90.7	92.0	92.0	94.1	95.3	95.3	96.7	96.7	98.1
IV 100	23.9	65.6	73.0	81.4	87.6	87.6	90.7	92.0	92.0	94.1	95.3	95.3	96.9	96.9	98.6
IV 0	23.9	65.6	73.0	81.4	87.6	87.6	90.7	92.0	92.0	94.1	95.6	95.6	97.0	97.0	98.0

TOTAL NUMBER OF OBSERVATIONS 1584

DATA PROCESSING DIVISION  
ETAC, USAF  
ASREVILLE, IN, C, 46001

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CU AFB  
STATION NAME

43-48,53-60,62-67  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0800  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	11.1	23.6	20.6	28.5	30.1	30.3	31.7	32.5	32.6	32.9	33.1	33.1	33.4	33.4	33.5	33.6
≥ 20000	12.9	28.5	32.2	34.4	36.6	37.0	38.3	39.1	39.2	39.6	39.8	39.8	40.2	40.2	40.3	40.5
≥ 18000	12.9	28.5	32.2	34.4	36.6	37.1	38.4	39.1	39.3	39.6	39.9	39.9	40.2	40.3	40.4	40.6
≥ 16000	12.9	28.5	32.2	34.4	36.6	37.1	38.4	39.1	39.3	39.6	39.9	39.9	40.2	40.3	40.4	40.6
≥ 14000	13.0	28.9	32.5	35.0	37.1	37.5	38.8	39.6	39.7	40.1	40.3	40.3	40.7	40.8	40.9	41.1
≥ 12000	14.3	31.8	35.8	38.3	40.6	41.1	42.5	43.4	43.5	43.9	44.2	44.2	44.5	44.6	44.7	44.9
≥ 10000	15.2	33.8	38.1	40.9	43.4	43.9	45.4	46.2	46.4	46.8	47.0	47.0	47.4	47.4	47.6	47.8
≥ 9000	15.0	34.8	39.2	42.0	44.6	45.0	46.5	47.4	47.5	47.9	48.2	48.2	48.5	48.6	48.7	48.9
≥ 8000	16.2	35.0	40.8	43.7	46.5	47.0	48.5	49.3	49.5	49.9	50.2	50.2	50.3	50.6	50.7	51.0
≥ 7000	16.4	36.6	41.8	44.8	47.7	48.2	49.8	50.7	50.9	51.2	51.6	51.6	51.9	52.0	52.1	52.3
≥ 6000	16.7	37.1	42.2	45.3	48.3	48.9	50.5	51.3	51.6	52.0	52.2	52.2	52.6	52.6	52.7	53.0
≥ 5000	18.0	38.9	44.3	47.6	51.0	51.6	53.3	54.2	54.5	54.9	55.1	55.1	55.5	55.5	55.7	56.0
≥ 4500	18.0	39.3	44.7	48.1	51.5	52.1	53.9	54.8	55.1	55.5	55.8	55.8	56.1	56.2	56.4	56.6
≥ 4000	18.2	40.5	46.5	49.9	53.6	54.2	56.0	57.0	57.3	57.8	58.0	58.0	58.4	58.4	58.6	58.8
≥ 3500	18.4	41.9	48.2	52.0	55.7	56.3	58.2	59.2	59.5	60.0	60.2	60.2	60.6	60.6	60.8	61.0
≥ 3000	19.0	43.4	50.0	54.1	58.1	58.7	60.6	61.7	62.0	62.5	62.7	62.7	63.2	63.2	63.4	63.7
≥ 2500	19.8	45.9	53.3	58.1	62.2	62.9	64.9	66.1	66.3	66.9	67.1	67.1	67.6	67.7	67.8	68.1
≥ 2000	20.3	48.4	56.3	61.3	65.6	66.3	68.4	69.8	70.1	70.8	71.1	71.1	71.5	71.6	71.8	72.1
≥ 1800	20.3	48.9	56.9	61.9	66.2	67.0	69.1	70.3	70.8	71.7	71.9	71.9	72.4	72.4	72.6	72.9
≥ 1500	20.9	51.9	60.8	65.9	70.6	71.4	73.6	75.4	75.7	76.6	77.0	77.0	77.4	77.5	77.7	78.0
≥ 1200	21.1	53.6	63.1	68.8	74.0	74.9	77.2	79.1	79.5	80.6	80.8	80.8	81.4	81.4	81.6	81.9
≥ 1000	21.2	54.3	64.4	70.2	76.1	77.1	80.0	82.2	82.6	83.7	84.5	84.5	85.2	85.3	85.6	85.9
≥ 900	21.2	54.8	65.0	71.1	77.0	78.0	81.1	83.3	83.9	84.9	85.8	85.8	86.5	86.6	86.9	87.2
≥ 800	21.2	55.2	65.6	72.2	78.7	79.7	82.9	85.3	85.8	86.9	87.9	87.9	88.7	88.8	89.1	89.4
≥ 700	21.4	55.2	65.8	72.6	79.7	80.8	84.1	86.5	87.0	88.4	89.5	89.5	90.3	90.4	90.7	91.0
≥ 600	21.2	55.3	66.3	73.1	80.4	81.7	85.0	87.5	88.0	89.4	90.7	90.7	91.6	91.7	92.1	92.4
≥ 500	21.2	55.4	66.5	73.3	80.9	82.3	86.0	88.6	89.1	91.1	92.5	92.5	93.6	93.6	94.0	94.3
≥ 400	21.2	55.5	66.6	73.3	81.1	82.6	86.4	89.4	89.9	92.2	93.8	93.8	95.2	95.3	95.8	96.1
≥ 300	21.2	55.5	66.6	73.5	81.4	82.8	86.7	89.7	90.3	92.7	94.5	94.5	96.3	96.4	97.0	97.3
≥ 200	21.2	55.5	66.6	73.6	81.4	82.8	86.8	89.9	90.4	92.9	94.9	94.9	96.8	96.8	97.5	97.9
≥ 100	21.2	55.5	66.6	73.6	81.4	82.8	86.8	89.9	90.4	93.0	94.9	94.9	97.0	97.1	98.0	98.6
≥ 0	21.2	55.5	66.6	73.6	81.4	82.8	86.8	89.9	90.4	93.0	94.9	94.9	97.0	97.1	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 1678

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841

WILMINGTON OHIO/CLINTON CU AFB

43-48, 53-67

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 5/8	≥ 1/2	≥ 3/8	≥ 1/4	≤ 0
NO CEILING ≥ 20000	10.8	20.4	22.7	24.9	26.8	27.5	28.2	28.6	28.6	28.6	28.6	28.6	28.7	28.7	28.8	28.8
≥ 18000	13.8	28.0	31.6	34.7	37.5	38.6	39.3	39.8	39.8	39.9	39.9	39.9	40.1	40.1	40.1	40.2
≥ 16000	13.8	28.0	31.6	34.7	37.5	38.6	39.3	39.8	39.8	39.9	39.9	39.9	40.1	40.1	40.1	40.4
≥ 14000	14.9	29.1	32.6	35.8	38.7	39.8	40.7	41.2	41.2	41.2	41.2	41.2	41.4	41.4	41.5	41.6
≥ 12000	15.4	31.5	35.4	38.7	41.7	42.8	43.8	44.2	44.2	44.2	44.4	44.4	44.6	44.6	44.7	44.8
≥ 10000	16.0	34.6	39.0	42.4	45.7	46.7	47.8	48.3	48.3	48.3	48.5	48.5	48.7	48.7	48.7	48.8
≥ 9000	17.0	35.3	39.7	43.1	46.4	47.4	48.5	49.1	49.1	49.2	49.2	49.2	49.3	49.3	49.3	49.6
≥ 8000	17.8	36.8	41.2	44.8	48.1	49.3	50.4	51.0	51.0	51.2	51.2	51.2	51.4	51.4	51.4	51.5
≥ 7000	18.0	37.3	42.2	46.2	50.1	51.4	52.5	53.1	53.2	53.4	53.4	53.4	53.6	53.6	53.7	53.8
≥ 6000	18.3	38.2	42.9	46.9	50.9	52.2	53.3	53.9	54.0	54.2	54.2	54.2	54.4	54.4	54.5	54.6
≥ 5000	18.7	39.3	44.0	48.2	52.2	53.6	54.7	55.3	55.4	55.6	55.7	55.7	55.9	55.9	55.9	56.0
≥ 4500	19.2	40.3	45.1	49.3	53.4	54.7	56.0	56.6	56.7	56.9	57.0	57.0	57.2	57.2	57.2	57.4
≥ 4000	19.3	40.9	45.7	50.0	54.2	55.6	56.8	57.5	57.5	57.8	57.8	57.8	58.0	58.0	58.1	58.2
≥ 3500	20.0	42.2	47.3	51.8	56.1	57.6	58.8	59.5	59.6	59.9	59.9	59.9	60.1	60.1	60.2	60.3
≥ 3000	20.3	43.0	48.3	53.0	57.8	59.3	60.8	61.5	61.6	61.8	62.0	62.0	62.3	62.3	62.3	62.4
≥ 2500	20.7	43.3	51.2	56.1	61.1	62.6	64.4	65.3	65.4	65.7	65.8	65.8	66.1	66.1	66.2	66.3
≥ 2000	21.7	47.1	53.3	58.5	64.2	65.8	67.9	69.1	69.3	69.7	69.9	69.9	70.2	70.2	70.3	70.4
≥ 1800	21.9	48.0	54.2	59.4	65.1	66.8	69.1	70.3	70.7	71.2	71.4	71.4	71.7	71.7	71.7	71.9
≥ 1500	22.4	50.2	56.7	62.2	68.0	70.1	72.6	74.3	74.5	75.2	75.5	75.5	75.8	75.8	75.9	76.0
≥ 1200	22.7	51.3	58.6	64.4	70.8	72.8	75.6	77.3	77.7	78.3	78.5	78.5	79.2	79.2	79.3	79.4
≥ 1000	22.9	52.3	60.0	66.2	72.9	75.1	78.4	80.4	80.7	81.8	82.4	82.4	82.8	82.8	82.8	82.9
≥ 900	23.0	53.0	60.8	67.1	74.4	76.8	80.2	82.4	82.9	83.8	84.4	84.4	84.9	84.9	84.9	85.0
≥ 800	23.1	53.3	61.2	67.9	75.4	78.1	82.0	84.4	84.9	86.0	86.6	86.6	87.0	87.0	87.1	87.3
≥ 700	23.2	53.4	61.4	68.1	76.0	79.0	83.0	85.7	86.0	87.4	88.1	88.1	88.5	88.5	88.6	88.8
≥ 600	23.1	53.4	61.4	68.1	76.9	80.0	84.5	87.4	87.7	89.4	90.4	90.4	90.8	90.8	90.9	91.0
≥ 500	23.1	53.4	61.5	68.3	77.5	80.8	85.4	88.4	88.8	91.2	92.2	92.2	92.9	92.9	93.2	93.3
≥ 400	23.1	53.5	61.6	68.3	77.9	81.2	86.2	89.6	90.0	92.6	94.0	94.0	95.1	95.1	95.3	95.6
≥ 300	23.1	53.5	61.6	68.6	78.0	81.5	86.5	90.0	90.6	93.4	95.1	95.1	96.4	96.4	96.7	97.1
≥ 200	23.1	53.5	61.6	68.6	78.1	81.6	86.6	90.1	90.8	93.9	95.7	95.8	97.3	97.3	98.1	98.5
≥ 100	23.1	53.5	61.6	68.6	78.1	81.6	86.6	90.1	90.8	94.0	95.8	95.9	97.5	97.5	98.4	99.4
≥ 0	23.1	53.5	61.6	68.6	78.1	81.6	86.6	90.1	90.8	94.0	95.8	95.9	97.7	97.7	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1876

DATA PROCESSING DIVISION  
ETAC, USAF  
ASREVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CU AFB  
STATION NAME

43-48, 53-67  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	14.1	24.0	25.7	27.1	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
IV 18000	18.6	33.2	36.3	38.9	39.2	39.3	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
IV 16000	18.6	33.4	36.3	38.9	39.6	39.6	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
IV 14000	19.1	34.6	37.9	40.3	41.0	41.1	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
IV 12000	19.9	36.3	39.8	42.4	43.2	43.3	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IV 10000	21.3	39.2	42.9	45.3	46.4	46.7	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
IV 9000	21.8	40.3	44.1	46.7	47.7	47.9	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 8000	22.2	41.7	45.5	48.2	49.2	49.3	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
IV 7000	22.6	42.7	46.7	49.6	50.9	51.2	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
IV 6000	22.8	43.3	47.3	50.4	51.7	52.1	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 5000	23.1	43.8	48.1	51.2	52.7	53.1	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV 4500	23.5	44.7	49.2	52.3	53.8	54.3	54.6	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 4000	24.0	45.3	50.3	53.4	55.1	55.6	56.0	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 3500	24.3	46.4	51.3	54.6	56.3	57.1	57.3	57.7	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9
IV 3000	25.2	47.8	53.0	56.7	58.8	59.6	60.0	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 2500	26.3	50.6	56.5	60.7	63.0	63.8	64.4	64.6	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 2000	28.0	53.8	60.6	65.0	68.0	68.9	69.3	69.8	69.9	70.2	70.3	70.3	70.3	70.3	70.3	70.3
IV 1800	28.3	54.5	61.8	66.4	69.3	70.4	71.0	71.4	71.5	71.7	71.8	71.8	71.8	71.8	71.8	71.8
IV 1500	29.0	57.3	64.9	69.9	73.2	74.2	75.1	75.7	75.9	76.1	76.2	76.2	76.2	76.2	76.2	76.2
IV 1200	29.2	58.3	66.5	71.8	75.7	77.1	78.2	78.9	79.2	79.3	79.7	79.7	79.7	79.7	79.7	79.7
IV 1000	29.4	59.1	67.8	73.8	77.9	79.6	80.9	81.7	82.0	82.6	82.9	82.9	82.9	82.9	82.9	82.9
IV 900	29.9	59.4	68.8	74.9	79.0	80.8	82.4	83.2	83.6	84.2	84.6	84.6	84.6	84.6	84.6	84.6
IV 800	29.6	59.7	68.7	75.4	80.2	82.2	84.2	85.4	85.8	86.3	87.0	87.0	87.0	87.0	87.0	87.0
IV 700	29.9	59.9	69.0	75.8	80.9	82.9	84.2	86.6	87.0	87.8	88.3	88.3	88.3	88.3	88.3	88.3
IV 600	29.7	60.0	69.4	76.3	82.1	84.3	87.1	88.6	89.1	90.4	91.0	91.0	91.0	91.0	91.0	91.0
IV 500	29.7	60.0	69.5	76.8	82.6	85.1	88.2	89.9	90.3	92.0	93.1	93.1	93.1	93.1	93.1	93.1
IV 400	29.7	60.0	69.6	76.9	82.6	85.4	88.9	90.9	91.3	93.4	94.9	94.9	94.9	94.9	94.9	94.9
IV 300	29.7	60.1	69.7	77.0	83.0	85.7	89.2	91.6	92.2	94.5	96.3	96.3	96.3	96.3	96.3	96.3
IV 200	29.7	60.2	69.7	77.3	83.3	86.0	89.6	92.0	92.6	95.2	97.1	97.1	97.1	97.1	97.1	97.1
IV 100	29.7	60.2	69.7	77.4	83.3	86.2	89.8	92.3	92.8	95.4	97.6	97.6	97.6	97.6	97.6	97.6
IV 0	29.7	60.2	69.7	77.4	83.3	86.2	89.8	92.3	92.8	95.4	97.6	97.6	97.6	97.6	97.6	97.6

TOTAL NUMBER OF OBSERVATIONS 1886



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CU AFB  
STATION NAME

43-48,53-67  
YEAR

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	14.2	24.6	26.6	27.3	27.6	27.6	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
≥ 20000	26.4	35.1	38.3	39.8	40.1	40.2	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 18000	20.4	35.2	38.4	39.8	40.2	40.2	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 16000	20.4	35.5	38.7	40.1	40.5	40.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 14000	20.8	36.6	40.0	41.5	42.1	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 12000	22.1	39.5	43.2	44.6	45.4	45.5	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 10000	23.6	42.5	46.4	48.3	49.4	49.5	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 9000	23.7	43.2	47.2	49.1	50.4	50.4	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 8000	24.6	44.9	48.9	50.9	52.2	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 7000	25.0	45.6	49.9	52.3	53.6	53.7	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 6000	25.0	46.1	50.5	53.0	54.5	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 5000	25.3	46.7	51.3	53.7	55.7	55.6	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 4500	25.4	47.4	52.2	54.9	56.6	56.7	57.0	57.0	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2
≥ 4000	26.4	49.2	54.2	57.0	59.0	59.1	59.4	59.4	59.5	59.6	59.6	59.7	59.7	59.7	59.7	59.7
≥ 3500	26.7	50.2	55.4	58.6	60.5	60.6	60.9	61.0	61.0	61.1	61.2	61.2	61.2	61.2	61.2	61.2
≥ 3000	27.4	51.8	57.3	60.6	62.6	62.8	63.2	63.3	63.4	63.6	63.6	63.7	63.7	63.7	63.7	63.7
≥ 2500	28.9	55.5	61.4	64.9	67.2	67.3	68.0	68.1	68.1	68.2	68.4	68.4	68.4	68.4	68.4	68.4
≥ 2000	30.3	58.6	65.7	69.8	72.2	72.7	73.2	73.5	73.6	73.9	74.0	74.0	74.0	74.0	74.0	74.0
≥ 1800	30.5	59.5	66.9	71.2	73.9	74.4	74.9	75.2	75.3	75.7	75.7	75.8	75.8	75.8	75.8	75.8
≥ 1500	30.6	60.6	69.0	73.4	76.7	77.5	78.3	78.9	79.0	79.5	79.6	79.6	79.7	79.7	79.7	79.7
≥ 1200	31.0	61.6	70.3	75.3	79.5	80.7	81.7	82.5	82.6	83.2	83.3	83.3	83.4	83.4	83.4	83.4
≥ 1000	31.2	62.4	71.6	76.9	81.2	82.4	83.6	84.7	84.8	85.7	85.9	85.9	86.0	86.0	86.0	86.0
≥ 900	31.3	62.6	71.9	77.2	81.7	83.1	84.7	86.0	86.1	87.0	87.2	87.3	87.3	87.3	87.3	87.3
≥ 800	31.4	63.0	72.5	78.2	83.0	84.5	86.3	87.7	87.7	89.0	89.3	89.3	89.3	89.3	89.3	89.3
≥ 700	31.4	63.1	72.7	78.4	83.2	84.7	86.9	88.6	88.8	90.0	90.4	90.4	90.6	90.6	90.6	90.6
≥ 600	31.5	63.3	73.1	79.1	84.0	85.6	88.2	90.1	90.2	91.7	92.1	92.2	92.4	92.5	92.5	92.5
≥ 500	31.5	63.3	73.1	79.4	84.4	86.3	89.1	91.3	91.5	93.4	94.5	94.6	95.3	95.7	96.0	96.0
≥ 400	31.5	63.4	73.2	79.5	84.6	86.5	89.5	91.9	92.2	94.5	95.9	95.9	97.1	97.2	97.6	97.7
≥ 300	31.5	63.5	73.3	79.6	84.7	86.6	89.5	92.1	92.4	94.9	96.5	96.6	98.0	98.2	98.5	98.7
≥ 200	31.5	63.5	73.3	79.6	84.7	86.7	89.6	92.2	92.5	95.1	96.7	96.8	98.3	98.5	98.9	99.2
≥ 100	31.5	63.5	73.3	79.6	84.7	86.7	89.6	92.2	92.5	95.1	96.7	96.8	98.3	98.5	99.0	100.0
≥ 0	31.5	63.5	73.3	79.6	84.7	86.7	89.6	92.2	92.5	95.1	96.7	96.8	98.3	98.5	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1938



DATA PROCESSING DIVISION  
ETAC, USAF  
ASREVICEL, N. C. 28801

# CEILING VERSUS VISIBILITY

19841

WILMINGTON OHIO/CLINTON CU AFB

43-48,53-67

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	13.9	28.9	31.5	33.4	33.7	33.8	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
≥ 20000	13.8	28.1	30.6	32.4	32.7	32.8	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
IV 18000	19.8	36.2	39.7	42.4	42.8	42.9	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 16000	19.8	36.4	39.9	42.7	43.0	43.1	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IV 14000	19.9	36.9	40.5	43.2	43.6	43.7	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 12000	20.5	39.3	43.0	45.9	46.3	46.4	46.7	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
IV 10000	21.1	41.1	44.8	48.4	50.1	50.3	50.7	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
IV 9000	22.0	42.6	47.1	50.3	51.1	51.3	51.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
IV 8000	22.4	43.7	48.3	51.9	52.5	52.7	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
IV 7000	22.8	44.0	49.4	53.0	53.7	54.1	54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 6000	23.1	46.0	50.9	54.6	55.3	55.7	56.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 5000	23.7	47.4	52.7	56.3	57.4	57.6	58.0	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 4500	24.1	47.2	53.5	57.2	58.3	58.5	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 4000	24.6	48.9	55.0	59.0	60.4	60.6	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 3500	25.1	50.3	56.7	60.9	62.3	62.5	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 3000	25.7	51.9	58.5	63.1	64.8	65.0	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 2500	26.8	53.7	63.1	68.4	69.9	70.2	70.8	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 2000	27.5	58.4	66.9	72.7	74.7	75.0	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 1800	27.6	59.4	68.1	73.9	75.1	75.4	76.4	77.1	77.4	77.6	77.7	77.7	77.7	77.7	77.7	77.7
IV 1500	27.8	60.1	69.8	75.9	76.6	76.9	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
IV 1200	27.9	60.9	71.1	77.8	81.2	81.5	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 1000	27.9	61.3	71.8	78.7	82.4	82.8	84.4	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 900	27.9	61.5	72.1	79.2	83.4	83.8	85.1	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 800	28.1	61.8	72.4	79.7	84.3	84.7	86.9	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 700	28.1	61.8	72.6	79.9	84.8	85.2	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 600	28.1	62.0	73.1	80.4	85.7	86.1	89.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 500	28.1	62.1	73.3	80.8	86.1	86.5	89.9	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 400	28.1	62.2	73.3	81.0	86.4	86.8	90.7	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 300	28.1	62.2	73.4	81.1	86.6	87.0	90.9	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 200	28.1	62.2	73.4	81.1	86.7	87.1	91.1	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 100	28.1	62.2	73.4	81.1	86.7	87.1	91.1	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 0	28.1	62.2	73.4	81.1	86.7	87.1	91.1	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7

TOTAL NUMBER OF OBSERVATIONS 1988

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CU AFB  
STATION NAME

43-48-33-67  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	16.6	31.8	35.2	36.5	37.0	37.2	37.5	37.6	37.6	37.8	37.8	37.8	37.8	37.8	37.8	37.9
≥ 20000	19.5	36.6	40.8	42.6	43.1	43.3	43.7	43.9	43.9	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 18000	19.6	36.7	40.9	42.7	43.2	43.4	43.8	44.1	44.1	44.3	44.3	44.3	44.3	44.3	44.3	44.3
IV 16000	19.6	36.8	41.0	42.8	43.3	43.5	43.9	44.1	44.1	44.3	44.3	44.3	44.3	44.3	44.3	44.4
IV 14000	19.7	37.2	41.4	43.2	43.7	43.9	44.3	44.5	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.8
IV 12000	20.7	39.9	44.2	46.1	46.7	46.9	47.2	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 10000	21.8	42.5	47.3	49.3	49.9	50.2	50.6	50.9	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.2
IV 9000	22.3	43.4	48.3	50.3	51.1	51.4	51.8	52.1	52.1	52.3	52.3	52.3	52.3	52.3	52.3	52.4
IV 8000	22.9	44.7	49.8	52.2	53.1	53.5	53.9	54.2	54.2	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 7000	22.9	45.4	50.3	53.0	54.1	54.4	54.9	55.2	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.5
IV 6000	23.3	46.7	52.1	54.6	55.7	56.1	56.5	56.9	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 5000	23.8	48.3	54.2	56.8	58.0	58.3	58.7	59.1	59.1	59.3	59.3	59.3	59.3	59.3	59.3	59.4
IV 4500	24.3	49.5	55.6	58.4	59.6	59.9	60.4	60.7	60.7	60.9	60.9	60.9	60.9	60.9	60.9	61.0
IV 4000	25.2	51.1	57.9	60.4	61.9	62.2	62.6	63.0	63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.3
IV 3500	25.6	51.9	58.7	61.8	63.3	63.7	64.1	64.3	64.3	64.5	64.5	64.5	64.5	64.5	64.5	64.7
IV 3000	26.4	53.9	61.0	64.2	66.0	66.3	66.8	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 2500	27.1	57.1	64.8	68.2	70.5	70.9	71.7	72.0	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 2000	28.1	59.6	68.6	72.7	75.2	75.7	76.6	77.0	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.4
IV 1800	28.2	60.1	69.3	73.6	76.3	76.8	77.7	78.2	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.6
IV 1500	28.3	61.3	70.9	75.8	78.7	79.3	80.4	80.9	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.5
IV 1200	28.5	62.3	72.5	78.0	81.6	82.2	83.3	83.9	83.9	84.4	84.4	84.4	84.4	84.4	84.4	84.7
IV 1000	28.9	62.9	73.4	79.3	83.1	83.8	85.2	85.8	85.8	86.6	86.6	86.6	86.6	86.6	86.6	86.9
IV 900	28.9	63.3	73.8	80.0	84.6	85.3	86.1	86.8	86.8	87.7	87.7	87.7	87.7	87.7	87.7	88.0
IV 800	28.9	63.4	74.2	80.7	85.4	86.1	87.4	88.1	88.1	89.3	89.3	89.3	89.3	89.3	89.3	89.7
IV 700	28.9	63.6	74.5	81.1	86.3	87.0	88.3	89.2	89.2	90.2	90.2	90.2	90.2	90.2	90.2	90.6
IV 600	28.9	63.9	74.9	81.5	86.9	87.6	89.3	90.3	90.3	91.6	91.6	91.6	91.6	91.6	91.6	92.2
IV 500	28.9	64.1	75.2	81.9	87.0	88.0	90.5	91.6	91.6	93.3	93.3	93.3	93.3	93.3	93.3	94.5
IV 400	28.9	64.2	75.4	82.0	87.3	88.4	90.9	92.2	92.2	94.2	94.2	94.2	94.2	94.2	94.2	95.5
IV 300	28.9	64.2	75.4	82.1	87.3	88.5	91.1	92.6	92.6	94.7	94.7	94.7	94.7	94.7	94.7	96.5
IV 200	28.9	64.2	75.4	82.2	87.3	88.7	91.4	92.9	92.9	95.1	95.1	95.1	95.1	95.1	95.1	96.4
IV 100	28.9	64.2	75.4	82.2	87.3	88.7	91.5	93.0	93.0	95.7	95.7	95.7	95.7	95.7	95.7	99.4
IV 0	28.9	64.2	75.4	82.2	87.3	88.7	91.5	93.0	93.2	95.7	95.7	95.7	95.7	95.7	95.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1927

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13841  
STATION

WILMINGTON OHIO/CLINTON CW AFB  
STATION NAME

43-48-53-07  
YEARS

DEC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	14.2	26.8	29.5	31.4	32.1	32.3	32.7	32.9	32.9	33.0	33.1	33.1	33.2	33.2	33.2	33.2
≥ 20000	17.6	33.0	37.3	39.7	40.7	41.0	41.4	41.7	41.7	41.8	41.8	41.8	41.9	41.9	42.0	42.1
IV 18000	17.7	33.7	37.3	39.8	40.8	41.1	41.5	41.8	41.8	41.9	41.9	41.9	42.1	42.1	42.1	42.2
IV 16000	17.7	33.8	37.4	39.8	40.9	41.2	41.6	41.9	41.9	42.0	42.0	42.0	42.1	42.1	42.2	42.3
IV 14000	17.9	34.5	38.2	40.6	41.7	42.0	42.5	42.7	42.7	42.8	42.9	42.9	43.0	43.0	43.0	43.1
IV 12000	19.0	37.0	41.0	43.0	44.8	45.1	45.6	45.8	45.8	46.0	46.0	46.0	46.1	46.1	46.2	46.3
IV 10000	20.2	39.7	44.0	46.8	48.2	48.5	49.0	49.3	49.3	49.4	49.5	49.5	49.6	49.6	49.6	49.7
IV 9000	20.5	40.5	44.9	47.7	49.1	49.5	50.0	50.3	50.3	50.4	50.5	50.5	50.6	50.6	50.6	50.7
IV 8000	21.0	41.9	46.4	49.4	50.9	51.2	51.8	52.1	52.1	52.3	52.3	52.3	52.4	52.4	52.5	52.6
IV 7000	21.3	42.6	47.4	50.5	52.2	52.6	53.2	53.5	53.5	53.7	53.7	53.7	53.8	53.8	53.9	53.9
IV 6000	21.5	43.4	48.2	51.4	53.2	53.6	54.2	54.5	54.5	54.7	54.7	54.7	54.8	54.8	54.9	55.0
IV 5000	22.1	44.7	49.9	52.3	53.3	53.7	54.4	54.7	54.7	54.9	54.9	54.9	55.1	55.1	55.1	55.2
IV 4500	22.4	45.5	50.9	53.3	54.4	54.8	55.5	55.8	55.8	56.0	56.0	56.0	56.1	56.1	56.2	56.3
IV 4000	22.9	46.7	52.3	55.9	58.2	58.6	59.4	59.7	59.8	59.9	60.0	60.0	60.1	60.1	60.2	60.3
IV 3500	23.3	47.9	53.8	57.6	60.0	60.4	61.2	61.5	61.6	61.7	61.8	61.8	61.9	61.9	62.0	62.1
IV 3000	23.9	49.4	55.6	59.7	62.3	62.7	63.6	64.0	64.0	64.2	64.3	64.3	64.5	64.5	64.5	64.6
IV 2500	24.9	52.4	59.1	63.6	66.4	67.0	68.0	68.4	68.5	68.7	68.8	68.8	68.9	69.0	69.0	69.1
IV 2000	25.7	55.1	62.7	67.6	70.8	71.5	72.6	73.2	73.3	73.6	73.7	73.7	73.9	73.9	73.9	74.0
IV 1800	25.9	56.0	63.7	68.8	72.1	72.7	73.9	74.5	74.6	75.0	75.1	75.1	75.2	75.3	75.3	75.4
IV 1500	26.2	57.8	66.2	71.6	75.3	76.1	77.5	78.2	78.3	78.8	79.0	79.0	79.2	79.2	79.2	79.3
IV 1200	26.4	59.0	68.0	73.9	78.2	79.2	80.7	81.6	81.7	82.3	82.5	82.5	82.7	82.7	82.8	82.9
IV 1000	26.5	59.6	69.1	75.3	79.9	81.0	82.8	83.8	84.0	84.8	85.2	85.2	85.4	85.5	85.5	85.6
IV 900	26.5	60.0	69.6	76.1	80.8	82.0	84.0	85.2	85.3	86.2	86.6	86.6	86.9	86.9	87.0	87.1
IV 800	26.6	60.3	70.1	76.8	82.1	83.4	85.6	86.9	87.1	88.1	88.6	88.6	88.9	88.9	89.0	89.1
IV 700	26.8	60.4	70.3	77.2	82.7	84.1	86.3	87.9	88.1	89.2	89.8	89.8	90.0	90.2	90.2	90.4
IV 600	26.9	60.5	70.7	77.7	83.6	85.0	87.7	89.3	89.5	90.9	91.5	91.5	91.8	92.0	92.1	92.2
IV 500	26.9	60.7	70.9	78.0	84.1	85.7	88.6	90.4	90.6	92.4	93.2	93.2	93.5	93.9	94.1	94.2
IV 400	26.7	60.7	71.0	78.2	84.4	86.1	89.2	91.2	91.5	93.5	94.5	94.5	95.1	95.3	95.7	95.9
IV 300	26.7	60.8	71.0	78.4	84.7	86.5	89.5	91.7	92.0	94.2	95.4	95.5	96.6	96.7	97.1	97.2
IV 200	26.7	60.8	71.0	78.4	84.7	86.5	89.7	91.9	92.2	94.7	96.2	96.2	97.5	97.7	98.1	98.4
IV 100	26.7	60.9	71.0	78.4	84.8	86.5	89.7	92.0	92.3	94.9	96.3	96.4	97.8	98.1	98.7	99.1
IV 0	26.7	60.8	71.0	78.4	84.8	86.5	89.7	92.0	92.3	94.9	96.4	96.4	97.9	98.1	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 14499

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# CEILING VERSUS VISIBILITY

13341

WILMINGTON OHIO/CLINTON CU AFB

43-49-53-68

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	> 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	22.7	36.8	39.3	40.6	41.4	41.6	41.9	42.0	42.0	42.1	42.2	42.2	42.2	42.2	42.3	42.3
≥ 20000	29.1	47.2	50.6	52.2	53.3	53.5	53.8	54.0	54.0	54.1	54.2	54.2	54.2	54.3	54.3	54.4
IV 18000	29.1	47.2	50.6	52.2	53.3	53.5	53.8	54.0	54.0	54.1	54.2	54.2	54.2	54.3	54.3	54.4
IV 16000	29.2	47.4	50.8	52.4	53.5	53.7	54.1	54.2	54.3	54.4	54.4	54.5	54.5	54.5	54.6	54.7
IV 14000	29.3	48.1	51.5	53.2	54.3	54.5	54.9	55.1	55.1	55.2	55.3	55.3	55.3	55.4	55.4	55.5
IV 12000	30.4	50.0	53.6	55.4	56.6	56.8	57.2	57.3	57.4	57.5	57.6	57.6	57.7	57.7	57.7	57.8
IV 10000	31.7	52.8	56.6	58.6	59.9	60.1	60.6	60.8	60.8	60.9	61.0	61.0	61.1	61.1	61.1	61.2
IV 9000	32.0	53.5	57.4	59.4	60.8	61.0	61.4	61.6	61.7	61.8	61.9	61.9	62.0	62.0	62.0	62.1
IV 8000	32.7	53.2	59.4	61.5	62.9	63.2	63.7	63.9	63.9	64.1	64.1	64.1	64.2	64.2	64.3	64.4
IV 7000	33.2	56.5	60.9	63.1	64.6	64.9	65.4	65.6	65.6	65.8	65.9	65.9	65.9	66.0	66.0	66.1
IV 6000	33.5	57.3	61.8	64.1	65.6	66.0	66.5	66.7	66.7	66.9	66.9	66.9	67.0	67.0	67.1	67.2
IV 5000	34.2	58.9	63.6	66.1	67.7	68.1	68.6	68.8	68.9	69.1	69.1	69.1	69.2	69.2	69.3	69.4
IV 4500	34.6	59.9	64.8	67.3	69.0	69.4	69.9	70.2	70.2	70.4	70.5	70.5	70.5	70.5	70.6	70.7
IV 4000	35.5	61.8	67.0	69.6	71.4	71.8	72.4	72.7	72.7	72.9	73.0	73.0	73.1	73.1	73.1	73.2
IV 3500	36.1	63.2	68.7	71.4	73.4	73.8	74.4	74.7	74.7	74.9	75.0	75.0	75.1	75.1	75.2	75.3
IV 3000	37.0	65.3	71.0	73.9	76.0	76.5	77.1	77.4	77.5	77.7	77.8	77.8	77.9	77.9	78.0	78.0
IV 2500	37.4	67.6	73.9	77.1	79.4	79.9	80.7	81.0	81.0	81.3	81.3	81.3	81.4	81.4	81.5	81.6
IV 2000	38.5	70.0	76.6	80.1	82.6	83.2	84.1	84.4	84.5	84.9	84.9	84.9	85.0	85.0	85.0	85.1
IV 1800	38.6	70.4	77.1	80.7	83.3	83.9	84.8	85.2	85.2	85.5	85.6	85.6	85.7	85.7	85.8	85.9
IV 1500	38.9	71.5	78.6	82.4	85.3	86.0	87.0	87.5	87.6	87.9	88.0	88.0	88.1	88.2	88.2	88.3
IV 1200	39.0	72.3	79.7	83.9	87.1	87.8	89.0	89.5	89.6	90.0	90.2	90.2	90.3	90.3	90.4	90.5
IV 1000	39.1	72.8	80.4	84.8	88.3	89.1	90.5	91.1	91.2	91.7	91.8	91.9	92.0	92.0	92.1	92.2
IV 900	39.1	73.0	80.7	85.2	88.9	89.8	91.2	91.9	92.0	92.5	92.7	92.7	92.8	92.9	92.9	93.0
IV 800	39.1	73.2	81.0	85.7	89.5	90.5	92.0	92.8	92.9	93.5	93.7	93.7	93.9	93.9	94.0	94.1
IV 700	39.1	73.3	81.2	86.0	90.0	91.0	92.7	93.5	93.6	94.3	94.5	94.5	94.8	94.8	94.9	95.0
IV 600	39.1	73.4	81.5	86.3	90.6	91.7	93.5	94.4	94.6	95.4	95.7	95.7	96.0	96.0	96.1	96.2
IV 500	39.2	73.5	81.6	86.5	90.9	92.1	94.1	95.1	95.3	96.2	96.6	96.6	97.0	97.0	97.1	97.2
IV 400	39.2	73.5	81.6	86.6	91.1	92.4	94.5	95.6	95.8	96.9	97.3	97.4	97.8	97.8	97.9	98.0
IV 300	39.2	73.6	81.7	86.7	91.2	92.5	94.7	95.9	96.1	97.3	97.8	97.9	98.4	98.4	98.6	98.7
IV 200	39.2	73.6	81.7	86.7	91.2	92.5	94.8	96.1	96.2	97.5	98.1	98.2	98.8	98.9	99.1	99.2
IV 100	39.2	73.6	81.7	86.7	91.3	92.5	94.8	96.1	96.3	97.6	98.2	98.3	98.9	99.0	99.3	99.6
IV 0	39.2	73.6	81.7	86.7	91.3	92.5	94.8	96.1	96.3	97.6	98.2	98.3	98.9	99.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 174658

## PART D

## SKY COVER

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

## SKY COVER

13841

WILMINGTON OHIO/CLINTON CO AFB

46-49, 54-68

JAN

STATION

STATION NAME

PERIOD

## MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	00-02	27.4	1.7	2.8	2.2	1.8	1.1	2.2	2.9	2.9	2.2	53.8	6.4	1485
	03-05	20.2	1.7	1.2	2.4	2.1	1.2	1.7	1.5	3.0	1.5	58.4	6.7	1371
	06-08	17.0	2.6	2.8	2.6	2.3	1.2	2.3	3.4	4.6	2.2	58.9	7.2	1485
	09-11	10.3	3.5	4.0	2.8	3.0	2.0	3.0	3.6	6.2	4.6	57.0	7.5	1687
	12-14	9.5	3.1	3.3	3.3	3.3	2.2	3.4	5.4	8.1	5.7	53.0	7.5	1693
	15-17	11.5	2.3	2.3	4.1	2.7	1.9	3.8	5.1	6.0	6.0	52.0	7.2	1749
	18-20	18.7	3.1	3.9	4.3	2.9	1.9	2.7	3.9	4.3	2.8	51.4	6.6	1781
	21-23	25.3	2.0	2.4	2.4	2.2	2.2	2.9	3.0	3.3	1.6	52.5	6.4	1744
TOTALS		18.0	2.5	3.0	3.1	2.6	1.8	2.8	3.6	4.9	3.4	54.5	6.9	12985

## SKY COVER

FEB  
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
FEB	00-02	31.1	1.3	3.8	2.7	2.0	1.5	2.2	2.0	2.9	1.5	49.2	5.9	1275
	03-05	29.8	1.5	2.4	2.4	2.8	1.9	2.2	1.9	3.9	1.8	49.2	6.0	1194
	06-08	19.7	3.3	3.8	3.2	2.1	1.9	2.9	3.6	4.7	3.2	51.6	6.6	1276
	09-11	19.3	3.1	3.3	3.2	1.7	1.9	3.4	3.8	5.7	4.9	52.7	7.0	1459
	12-14	18.8	3.4	3.5	2.7	2.1	2.7	3.5	5.9	8.5	4.9	50.4	7.2	1466
	15-17	13.1	2.7	3.0	3.6	3.1	2.7	3.4	4.6	7.2	5.6	50.8	7.1	1514
	18-20	14.0	3.9	4.8	5.1	2.7	1.8	2.8	2.4	4.5	3.6	49.4	6.5	1514
	21-23	24.0	1.6	2.7	2.8	2.7	2.2	2.4	3.0	4.3	1.7	47.6	6.0	1507
TOTALS		20.7	2.6	3.6	3.2	2.4	2.1	2.9	3.6	5.3	3.4	50.1	6.6	11205

## SKY COVER

13841

WILMINGTON OHIO/CLINTON CO AFB

46-47, 53, 68

MAR

STATION

STATION NAME

1110  
 1111  
 1112  
 1113  
 1114  
 1115  
 1116  
 1117  
 1118  
 1119  
 1120  
 1121  
 1122  
 1123  
 1124  
 1125  
 1126  
 1127  
 1128  
 1129  
 1130  
 1131  
 1132  
 1133  
 1134  
 1135  
 1136  
 1137  
 1138  
 1139  
 1140  
 1141  
 1142  
 1143  
 1144  
 1145  
 1146  
 1147  
 1148  
 1149  
 1150  
 1151  
 1152  
 1153  
 1154  
 1155  
 1156  
 1157  
 1158  
 1159  
 1160  
 1161  
 1162  
 1163  
 1164  
 1165  
 1166  
 1167  
 1168  
 1169  
 1170  
 1171  
 1172  
 1173  
 1174  
 1175  
 1176  
 1177  
 1178  
 1179  
 1180  
 1181  
 1182  
 1183  
 1184  
 1185  
 1186  
 1187  
 1188  
 1189  
 1190  
 1191  
 1192  
 1193  
 1194  
 1195  
 1196  
 1197  
 1198  
 1199  
 1200  
 1201  
 1202  
 1203  
 1204  
 1205  
 1206  
 1207  
 1208  
 1209  
 1210  
 1211  
 1212  
 1213  
 1214  
 1215  
 1216  
 1217  
 1218  
 1219  
 1220  
 1221  
 1222  
 1223  
 1224  
 1225  
 1226  
 1227  
 1228  
 1229  
 1230  
 1231  
 1232  
 1233  
 1234  
 1235  
 1236  
 1237  
 1238  
 1239  
 1240  
 1241  
 1242  
 1243  
 1244  
 1245  
 1246  
 1247  
 1248  
 1249  
 1250  
 1251  
 1252  
 1253  
 1254  
 1255  
 1256  
 1257  
 1258  
 1259  
 1260  
 1261  
 1262  
 1263  
 1264  
 1265  
 1266  
 1267  
 1268  
 1269  
 1270  
 1271  
 1272  
 1273  
 1274  
 1275  
 1276  
 1277  
 1278  
 1279  
 1280  
 1281  
 1282  
 1283  
 1284  
 1285  
 1286  
 1287  
 1288  
 1289  
 1290  
 1291  
 1292  
 1293  
 1294  
 1295  
 1296  
 1297  
 1298  
 1299  
 1300  
 1301  
 1302  
 1303  
 1304  
 1305  
 1306  
 1307  
 1308  
 1309  
 1310  
 1311  
 1312  
 1313  
 1314  
 1315  
 1316  
 1317  
 1318  
 1319  
 1320  
 1321  
 1322  
 1323  
 1324  
 1325  
 1326  
 1327  
 1328  
 1329  
 1330  
 1331  
 1332  
 1333  
 1334  
 1335  
 1336  
 1337  
 1338  
 1339  
 1340  
 1341  
 1342  
 1343  
 1344  
 1345  
 1346  
 1347  
 1348  
 1349  
 1350  
 1351  
 1352  
 1353  
 1354  
 1355  
 1356  
 1357  
 1358  
 1359  
 1360  
 1361  
 1362  
 1363  
 1364  
 1365  
 1366  
 1367  
 1368  
 1369  
 1370  
 1371  
 1372  
 1373  
 1374  
 1375  
 1376  
 1377  
 1378  
 1379  
 1380  
 1381  
 1382  
 1383  
 1384  
 1385  
 1386  
 1387  
 1388  
 1389  
 1390  
 1391  
 1392  
 1393  
 1394  
 1395  
 1396  
 1397  
 1398  
 1399  
 1400  
 1401  
 1402  
 1403  
 1404  
 1405  
 1406  
 1407  
 1408  
 1409  
 1410  
 1411  
 1412  
 1413  
 1414  
 1415  
 1416  
 1417  
 1418  
 1419  
 1420  
 1421  
 1422  
 1423  
 1424  
 1425  
 1426  
 1427  
 1428  
 1429  
 1430  
 1431  
 1432  
 1433  
 1434  
 1435  
 1436  
 1437  
 1438  
 1439  
 1440  
 1441  
 1442  
 1443  
 1444  
 1445  
 1446  
 1447  
 1448  
 1449  
 1450  
 1451  
 1452  
 1453  
 1454  
 1455  
 1456  
 1457  
 1458  
 1459  
 1460  
 1461  
 1462  
 1463  
 1464  
 1465  
 1466  
 1467  
 1468  
 1469  
 1470  
 1471  
 1472  
 1473  
 1474  
 1475  
 1476  
 1477  
 1478  
 1479  
 1480  
 1481  
 1482  
 1483  
 1484  
 1485  
 1486  
 1487  
 1488  
 1489  
 1490  
 1491  
 1492  
 1493  
 1494  
 1495  
 1496  
 1497  
 1498  
 1499  
 1500  
 1501  
 1502  
 1503  
 1504  
 1505  
 1506  
 1507  
 1508  
 1509  
 1510  
 1511  
 1512  
 1513  
 1514  
 1515  
 1516  
 1517  
 1518  
 1519  
 1520  
 1521  
 1522  
 1523  
 1524  
 1525  
 1526  
 1527  
 1528  
 1529  
 1530  
 1531  
 1532  
 1533  
 1534  
 1535  
 1536  
 1537  
 1538  
 1539  
 1540  
 1541  
 1542  
 1543  
 1544  
 1545  
 1546  
 1547  
 1548  
 1549  
 1550  
 1551  
 1552  
 1553  
 1554  
 1555  
 1556  
 1557  
 1558  
 1559  
 1560  
 1561  
 1562  
 1563  
 1564

MONITOR

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAR	00-02	29.5	1.6	3.8	3.5	3.3	.7	2.2	2.9	4.0	1.3	47.0	5.8	1327
	03-05	30.1	.9	3.2	3.8	2.1	1.5	6.6	2.1	4.1	1.2	49.0	6.0	1446
	06-08	17.0	3.6	6.8	4.1	3.1	2.1	2.5	3.5	6.1	4.0	59.3	6.6	1537
	09-11	18.2	3.6	4.1	4.3	3.1	2.9	2.9	5.4	7.2	5.6	47.7	6.9	1729
	12-14	10.2	3.4	3.4	2.9	2.8	3.2	3.5	3.7	10.4	7.0	47.3	7.3	1749
	15-17	8.5	3.1	3.4	3.2	2.2	3.7	3.6	6.1	8.2	6.6	31.4	7.5	1803
	18-20	14.0	4.1	3.9	3.8	3.8	3.1	3.3	4.3	7.2	4.3	43.3	6.8	1803
	21-23	23.8	1.9	3.0	3.3	3.2	2.1	3.4	3.3	4.8	2.4	46.4	6.1	1722
TOTALS		18.2	2.8	3.7	3.6	3.0	2.4	3.0	4.3	6.6	4.2	48.3	6.7	12405



## SKY COVER

APR

MONITOR

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF EXTENTS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
APR	00-02	33,0	1,6	2,9	3,0	3,3	1,0	3,2	3,7	5,4	1,4	41,6	5,5	1520
	03-05	30,6	1,9	2,8	3,2	3,7	1,5	2,8	3,3	3,3	1,9	42,8	5,7	1443
	06-08	19,7	3,1	4,1	4,2	3,5	2,0	3,3	5,0	7,1	3,6	45,3	6,6	1531
	09-11	13,1	4,1	4,3	3,4	3,8	2,6	3,0	4,3	8,3	7,3	45,7	6,9	1728
	12-14	8,6	3,7	3,1	3,1	3,4	3,2	4,7	6,5	10,5	9,0	44,3	7,3	1737
	15-17	6	2,4	3,5	3,9	4,6	3,7	4,1	5,7	11,3	9,0	44,8	7,4	1785
	18-20	3,7	3,7	3,0	4,9	5,0	3,2	3,6	3,9	10,2	7,3	41,6	6,9	1784
	21-23	28,9	2,3	4,5	4,1	3,2	2,3	3,4	4,2	6,1	2,4	41,6	5,8	1775
TOTALS		17,4	2,9	3,8	3,7	3,9	3,3	3,6	4,9	8,2	5,7	43,5	6,6	13313

## SKY COVER

13841

WILMINGTON OHIO/CLINTON CO AFB

46-49, 53-68

MAY

# SION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAY	00-02	35.9	2.6	4.0	4.1	4.1	2.2	3.3	2.9	4.9	1.9	33.0	4.8	1596
	03-05	30.8	3.8	4.2	4.8	4.2	2.4	2.7	2.8	5.1	2.6	36.4	5.2	1511
	06-08	17.3	5.3	4.4	5.1	3.8	2.1	2.3	4.8	8.3	7.0	39.5	6.3	1596
	09-11	13.6	4.8	5.3	5.2	4.0	3.5	4.9	5.2	8.8	6.7	39.4	6.5	1780
	12-14	8.8	3.3	3.1	4.2	4.0	3.5	3.0	7.1	12.4	8.7	34.0	7.0	1786
	15-17	8.0	3.0	3.3	3.0	4.5	6.4	3.8	7.4	11.2	8.0	37.5	7.0	1847
	18-20	11.5	5.3	6.7	5.6	5.2	3.6	4.3	5.9	9.7	8.0	34.1	6.3	1844
	21-23	22.8	4.4	5.8	5.9	3.7	3.1	3.8	4.6	6.0	2.5	30.5	4.9	1835
TOTALS		19.1	4.1	4.4	5.0	4.2	3.7	4.1	5.2	8.4	5.8	36.0	6.0	13795

## SKY COVER

JUN

MONIA

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUN	00-02	35.7	2.6	6.2	6.1	5.3	2.3	3.8	3.9	5.4	1.5	24.2	4.2	1500
	02-05	29.3	3.7	6.4	6.8	5.0	5.1	4.2	5.1	6.2	2.1	25.5	4.7	1441
	06-08	19.8	4.5	6.9	5.6	5.4	4.1	4.1	6.9	9.7	6.1	27.0	5.5	1499
	09-11	16.2	5.6	5.8	5.3	5.8	4.8	4.6	6.8	9.9	7.1	27.9	5.8	1652
	12-14	5.5	4.3	5.8	5.9	7.3	7.0	7.4	9.7	14.2	8.6	24.1	6.4	1677
	15-17	6.4	3.9	4.7	6.5	7.7	7.5	7.7	9.3	14.2	8.0	24.1	6.4	1787
	18-20	12.2	6.8	6.1	6.4	6.1	5.6	4.4	8.2	10.9	8.0	25.2	5.9	1773
	21-23	25.9	6.0	7.4	6.5	6.3	4.1	4.5	4.6	7.3	2.8	24.6	4.8	1756
TOTALS		14.7	4.7	6.2	6.1	6.3	5.1	5.2	6.9	9.9	5.7	25.3	5.5	12055

## SKY COVER

13841

WILMINGTON OHIO/CLINTON CO AFB

47-49, 53-68

JUL

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JUL	00-02	37.7	4.3	6.5	5.3	4.9	2.7	3.4	5.0	6.7	2.0	19.6	3.9	1388
	03-05	35.1	3.1	7.1	7.7	5.3	2.9	3.7	4.1	5.9	2.0	22.9	4.2	1330
	06-08	21.7	6.3	7.5	5.2	5.7	4.0	3.8	5.4	9.2	5.2	25.8	5.3	1468
	09-11	16.3	6.7	6.5	6.8	6.9	4.1	4.8	6.3	9.4	6.2	26.1	5.5	1672
	12-14	5.6	4.6	4.1	5.9	7.4	8.3	9.0	9.7	13.4	8.5	23.5	6.4	1687
	15-17	4.5	3.4	4.9	6.9	8.7	10.6	7.9	10.3	12.4	8.4	22.1	6.4	1744
	18-20	2.5	7.4	8.1	7.7	7.2	6.4	4.3	6.7	12.4	7.2	23.1	5.8	1746
	21-23	25.9	7.7	8.8	6.8	5.8	3.7	4.5	5.3	7.1	3.1	21.4	4.5	1725
TOTALS		16.7	5.5	6.7	6.6	6.6	5.5	5.3	6.7	9.8	5.5	23.1	5.3	12760

## SKY COVER

13841

WILMINGTON OHIO/CLINTON CO AFB

47-49, 53-68

AUG

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
AUG	00-02	45.9	4.1	4.7	5.9	4.0	2.0	2.0	2.9	5.5	2.3	10.5	3.3	1309
	03-05	45.5	3.9	5.3	4.8	4.6	3.4	2.3	3.2	9.7	2.2	19.0	3.0	1302
	06-08	22.8	6.9	7.8	6.5	5.6	3.0	3.8	6.5	8.0	5.2	23.3	4.9	1456
	09-11	18.0	5.9	6.2	7.6	5.2	5.9	4.5	7.8	9.8	6.1	23.0	5.4	1650
	12-14	5.7	3.4	5.7	5.9	9.2	9.9	6.2	9.6	10.3	8.7	19.0	6.3	1661
	15-17	2.0	4.1	7.7	8.3	10.4	8.6	7.2	7.8	13.3	7.2	19.5	6.0	1745
	18-20	15.0	8.6	10.6	8.0	8.0	4.2	5.1	6.8	10.0	6.1	18.3	5.0	1745
	21-23	27.7	4.7	7.6	5.9	5.0	3.4	4.4	5.2	6.0	2.0	17.7	3.8	1726
TOTALS		23.0	5.3	7.1	6.7	6.6	3.4	4.7	6.4	9.5	5.1	19.6	4.8	12664

## SKY COVER

13841

WILMINGTON OHIO/CLINTON CO AFB

46-47, 53-54

SEP

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST,	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
SEP	00-02	51,8	2,8	4,1	4,9	2,6	1,8	2,4	3,3	2,8	2,5	21,0	3,4	1417
	03-05	50,2	1,6	4,3	3,7	2,5	2,0	2,4	2,9	4,1	2,1	24,3	3,7	1337
	06-08	29,5	6,1	6,2	5,4	4,8	4,1	3,9	5,8	5,7	5,4	26,2	4,9	1473
	09-11	25,5	6,3	8,4	4,2	5,1	3,6	4,1	7,0	8,3	6,2	24,3	5,1	1657
	12-14	19,0	5,6	4,7	5,8	6,0	6,9	6,1	8,6	10,8	6,3	23,3	5,6	1677
	15-17	19,8	6,6	5,2	5,6	6,8	7,4	6,6	6,0	8,7	7,2	22,2	5,4	1774
	18-20	26,6	7,7	7,1	6,1	6,0	4,8	4,1	5,9	7,8	3,5	20,3	4,5	1775
	21-23	45,9	2,6	6,5	5,4	4,4	2,0	3,7	4,8	3,8	2,4	18,5	3,5	1756
TOTALS		21,6	5,0	5,5	5,3	4,9	4,2	4,3	5,7	6,7	4,5	22,4	4,6	12586

## SKY COVER

13841

WILMINGTON OHIO/CLINTON CO AFB

46-48, 53-68

**DCT**

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
OCT	00-02	50.1	1.7	3.9	3.3	2.1	1.3	2.0	3.3	3.2	1.3	27.7	3.8	1379
	03-05	42.3	1.4	3.6	1.7	3.7	1.1	2.7	2.3	2.8	1.1	30.3	4.0	1317
	06-08	31.0	4.8	4.2	5.2	3.8	5.0	2.1	4.2	6.3	4.9	29.8	5.0	1438
	09-11	28.0	6.0	4.3	3.9	3.9	2.0	4.3	5.3	7.7	5.1	28.0	5.1	1632
	12-14	23.7	4.7	3.6	4.3	5.2	5.0	3.9	6.4	8.3	6.0	28.4	5.5	1647
	15-17	23.1	4.8	5.4	5.0	5.0	4.9	4.3	5.1	9.0	7.0	25.8	5.4	1739
	18-20	31.6	5.8	5.7	4.7	4.2	3.2	3.5	5.4	6.2	3.6	26.2	4.7	1739
	21-23	40.6	1.9	3.2	3.2	3.6	2.1	3.8	3.2	4.1	1.9	27.4	4.1	1724
TOTALS		34.8	4.0	4.3	4.0	4.0	3.1	3.3	4.5	6.1	4.1	27.9	4.7	12618

## SKY COVER

NGV

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
NOV	00-02	35,1	1,2	3,5	2,8	1,8	1,1	2,3	2,8	4,0	2,0	42,1	5,5	1408
	03-05	33,5	,7	3,0	2,9	3,5	1,4	3,0	3,1	3,9	1,9	43,0	5,6	1346
	06-08	22,7	2,9	3,8	3,4	3,7	2,4	2,5	4,4	6,8	4,2	42,3	6,2	1438
	09-11	15,4	3,9	4,3	3,8	4,6	2,9	3,2	4,8	7,1	5,4	44,6	6,6	1628
	12-14	13,7	4,3	3,4	4,0	4,2	3,3	3,0	5,4	8,1	6,4	44,0	6,8	1645
	15-17	14,2	4,9	3,3	4,1	3,3	3,1	4,1	3,9	7,2	6,7	43,2	6,7	1697
	18-20	23,0	3,3	3,8	3,9	3,8	1,8	3,2	3,6	5,8	2,7	43,1	6,1	1698
	21-23	32,1	,8	2,7	3,2	3,2	2,0	2,2	3,0	4,7	2,7	42,3	5,7	1690
TOTALS		23,3	2,8	3,5	3,5	3,8	2,3	3,0	3,9	6,0	4,1	44,0	6,2	12560



## SKY COVER

13841

4648, 53467

DEC

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
DEC	00-02	22,2	1,8	3,2	2,5	2,8	1,5	2,3	2,1	3,5	1,9	51,2	6,1	1396
	03-05	25,9	1,9	2,8	2,1	2,1	1,2	2,1	3,5	3,2	1,3	51,9	6,2	1305
	06-08	19,7	2,7	3,3	3,7	2,9	2,1	2,5	3,6	4,9	3,0	51,6	6,7	1397
	09-11	13,9	3,6	3,3	3,5	2,7	3,0	2,4	4,2	7,1	7,1	50,5	7,1	1601
	12-14	10,1	4,7	3,8	3,8	3,2	3,0	2,8	4,8	7,2	6,1	50,6	7,2	1610
	15-17	11,3	4,5	2,5	3,2	3,4	3,0	2,1	3,9	7,2	6,6	52,4	7,3	1661
	18-20	17,9	2,5	4,5	4,0	3,1	2,0	2,8	3,3	4,9	2,5	52,5	6,7	1662
	21-23	25,6	1,8	3,6	2,6	1,8	2,1	2,0	2,6	2,9	2,2	52,8	6,4	1651
TOTALS		19,0	2,6	3,4	3,2	2,9	2,3	2,4	3,5	5,2	3,8	51,7	6,7	12283

DATA PROCESSING DIVISION  
ETAG, USAF  
ASHEVILLE, N.C. 28801

# SKY COVER

19861

WILMINGTON OHIO/CLINTON CO AFB

46-49,53-62

ALL

STATION

STATION NAME

PERIOD

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	18.0	2.5	3.0	3.1	2.6	1.8	2.8	3.6	4.9	3.4	54.5	6.9	12985
FEB		20.7	2.6	3.6	3.2	2.4	2.1	2.9	3.6	5.3	3.4	50.1	6.6	11205
MAR		18.2	2.8	3.7	3.6	3.0	2.4	3.0	4.3	6.6	4.2	48.3	6.7	13406
APR		17.4	2.9	3.8	3.7	3.9	2.5	3.6	4.9	8.2	5.7	43.5	6.6	12313
MAY		12.1	4.1	4.4	5.0	4.2	3.7	4.1	5.2	8.4	5.8	26.0	6.0	12795
JUN		18.7	4.7	6.2	6.1	6.3	5.1	5.2	6.9	9.9	5.7	25.3	5.5	12055
JUL		18.7	5.5	6.7	6.6	6.6	5.3	5.3	6.7	9.8	5.5	22.1	5.3	12760
AUG		23.6	5.2	7.1	6.7	6.6	5.4	4.7	6.4	9.5	5.1	12.6	4.8	12664
SEP		21.6	5.0	5.5	5.3	4.9	4.2	4.3	5.7	6.7	4.5	22.4	4.9	12886
OCT		24.8	4.0	4.3	5.0	4.0	3.1	3.3	4.5	6.1	4.1	27.2	4.7	12615
NOV		22.3	2.8	3.5	3.5	3.5	2.2	3.0	3.9	6.0	4.1	44.0	6.2	12560
DEC		12.0	2.6	3.4	3.2	2.9	2.3	2.4	3.5	5.2	3.8	51.7	6.7	12283
TOTALS		21.9	3.8	4.6	4.5	4.2	3.4	3.7	5.0	7.2	4.6	27.1	5.9	52227

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

## PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperature
  - b. Daily minimum temperature
  - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
  - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\sum X^2$ ), sums of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma X$ ). The number of observations used in the computations for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:
- a. Dry-bulb temperature
  - b. Wet-bulb temperature
  - c. Dew-point temperature
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
  - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

1

JAN  
MONI

YEARS

HOLDS A S

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point															
63/67				9	0	0	0											4	4																
64/68				0	0	0	0											7	7																
65/69				1	0	0	0	0										10	16																
66/70			0	1	0			0										36	36	2															
67/71			1	2	0			0										57	57	19	6														
68/72			2	3	1	0		0	0									91	91	75	36														
69/73		0	3	4	2	0	0	0	0									108	108	99	64														
70/74	0	1	4	5	3	0	0	0	0									124	124	108	89														
71/75	1	2	5	6	4	1	0	0	0									170	170	141	127														
72/76	2	3	6	7	5	2	1	0	0									208	208	170	156														
73/77	3	4	7	8	6	3	2	0	0									282	282	182	159														
74/78	4	5	8	9	7	4	3	0	0									332	332	216	186														
75/79	5	6	9	10	8	5	4	0	0									395	395	241	228														
76/80	6	7	10	11	9	6	5	0	0									482	482	299	294														
77/81	7	8	11	12	10	7	6	0	0									602	602	369	364														
78/82	8	9	12	13	11	8	7	0	0									798	798	489	489														
79/83	9	10	13	14	12	9	8	0	0									1006	1006	661	652														
80/84	10	11	14	15	13	10	9	0	0									1080	1081	788	788														
81/85	11	12	15	16	14	11	10	0	0									1077	1078	828	828														
82/86	12	13	16	17	15	12	11	0	0									1030	1030	883	883														
83/87	13	14	17	18	16	13	12	0	0									938	938	1061	940														
84/88	14	15	18	19	17	14	13	0	0									758	759	930	943														
85/89	15	16	19	20	18	15	14	0	0									627	627	758	932														
86/90	16	17	20	21	19	16	15	0	0									598	598	695	698														
87/91	17	18	21	22	20	17	16	0	0									549	550	611	843														
88/92	18	19	22	23	21	18	17	0	0									467	468	552	683														
89/93	19	20	23	24	22	19	18	0	0									404	404	468	592														
90/94	20	21	24	25	23	20	19	0	0									347	347	404	521														
91/95	21	22	25	26	24	21	20	0	0									300	302	347	451														
92/96																		234	235	260	441														
93/97																		193	193	227	378														
94/98																		120	120	159	323														
95/99																		108	108	112	282														
Element (X)	Σ X <sup>2</sup>			Σ X			X̄			σ <sub>x</sub>			No Obs			Mean No. of Hours with Temperature																			
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	> 73 F	> 80 F	> 93 F	Total													
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

FORM 0-26-S (OLI)  
JUL 64  
210 WS  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# PSYCHROMETRIC SUMMARY

13841 STATION WILMINGTON UNIO/CLINTON CO AFB

44-49, 54-68

YEARS

JAN  
MONTH

PAGE 2 ALL  
HOURS (L S T)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D B / W.B	TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		31	Dry Bulb	Wet Bulb	Dew Point
0/-1			2	3																													74	74	97	234
2/-3			2	3	10																												66	66	67	154
4/-5			1	2																													49	49	54	165
6/-7			1	1																													27	27	39	99
8/-9			1	1	0																												10	11	12	107
10/-11			1	0	0																												6	6	6	61
12/-13			1	0	0																												2	2	3	66
14/-15			1	0	0																												3	3	3	32
16/-17			1	0	0																												4	4	3	42
18/-19																																				21
20/-21																																				13
22/-23																																				4
24/-25																																				7
26/-27																																				2
28/-29																																				3
30/-31																																				2
TOTAL	17	2	2	7	4	1	7	5	7	1	6	0	4	1	1	0																	4460	14469	14460	
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		σ <sub>x</sub>		No Obs		Mean No. of Hours with Temperature																									
Rel. Hum	88510649		1112465		76.9		14.221		14460		≤ 0 F		≤ 32 F		> 67 F		> 73 F		> 80 F		> 93 F		Total													
Dry Bulb	14021175		412191		28.5		12.556		14469		12.4		470.5		.2								744.0													
Wet Bulb	12334903		385063		26.6		11.996		14460		14.7		527.9										744.0													
Dew Point	9763562		316270		21.9		14.030		14460		23.1		589.6										744.0													

FORM 1210 WS JUL 64 0 26 S (OLI)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No Obs	Mean No. of Hours with Temperature						Total
Rel. Hum	88510649	1112465	76.9	14.221	14460	$\leq 0 F$	$\leq 32 F$	$> 67 F$	$> 73 F$	$> 80 F$	$\geq 93 F$	744.0
Dry Bulb	14021179	412191	28.5	12.550	14469	12.4	470.5	12				744.0
Wet Bulb	12334903	385663	26.6	11.996	14460	14.7	527.9					744.0
Dew Point	9763562	316270	21.9	14.030	14460	33.1	589.6					744.0

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# PSYCHROMETRIC SUMMARY

13841 WILMINGTON OHIO/CLINTON CO AFU

44-45, 47-49, 54-68

FEB  
MONTH

PAGE 1 ALL  
HOURS (L S T)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D B / W B	Dry Bulb	Wet Bulb	Dew Point	
72/ 71													0																					3	3		
70/ 69													0																					2	2		
68/ 67													0																					14	14		
66/ 65													0																					18	18		
64/ 63													0																					28	28	1	1
62/ 61													0																					55	55	2	2
60/ 59													0																					107	108	30	7
58/ 57													0																					134	134	78	49
56/ 55													0																					126	127	96	44
54/ 53													0																					151	151	103	71
52/ 51													0																					201	201	169	126
50/ 49													0																					260	260	176	151
48/ 47													0																					325	325	222	178
46/ 45													0																					338	338	251	163
44/ 43													0																					419	419	328	194
42/ 41													0																					381	381	341	213
40/ 39													0																					559	559	428	275
38/ 37													0																					665	665	581	325
36/ 35													0																					924	924	804	309
34/ 33													0																					1016	1031	923	671
32/ 31													0																					1031	1034	1135	879
30/ 29													0																					868	868	988	837
28/ 27													0																					770	783	934	730
26/ 25													0																					747	742	838	860
24/ 23													0																					595	599	761	782
22/ 21													0																					326	331	620	816
20/ 19													0																					432	441	522	705
18/ 17													0																					347	350	417	673
16/ 15													0																					313	323	348	576
14/ 13													0																					218	224	282	476
12/ 11													0																					262	255	246	357
10/ 9													0																					170	173	259	287
8/ 7													0																					114	118	131	247
6/ 5													0																					106	119	109	248
Element (X)	$\Sigma X^2$										$\Sigma X$					$\bar{X}$					$\sigma_x$					No Obs					Mean No. of Hours with Temperature						
Rel. Hum.																																					
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

## PSYCHROMETRIC SUMMARY

**FEB**  
MONTH

PAGE 2 ALL  
HOURS 11 5 11

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL DB / WB	TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		31	Dry Bulb	Wet Bulb	Dew Point
41/3			2		6																												97	110	105	219
40/1			2		6																												50	52	74	168
39/1			2		6																												58	62	56	147
38/3			1		2																												23	25	32	118
37/5			1		2																												9	15	9	120
36/7			0		0																												4	4	4	82
35/9			0		0																												1	1	3	51
34/11			0		0																															26
32/13																																				16
31/13																																				5
30/17																																				2
29/19																																				1
28/21																																				1
27/23																																				1
26/25																																				1
25/27																																				1
24/29																																				1
23/31																																				1
TOTAL	14,1	51,9	20,5	7,6	3,7	1,6	.5	.1																									12433	12577	12433	12434

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No Obs.	Mean No. of Hours with Temperature						
						$\leq 0 F$	$\leq 32 F$	$> 67 F$	$> 73 F$	$> 80 F$	$> 93 F$	Total
Rel. Hum.	73373304	940814	73.7	14.741	12433							
Dry Bulb	14212829	392729	31.2	12.450	12577	5.7	365.6	1.1				672.0
Wet Bulb	12117485	361289	29.1	11.411	12433	3.6	325.5					672.0
Dew Point	9342282	300802	24.2	12.924	12434	31.1	511.0					672.0

FORM  
JUL 64 0-26-5 (DLI)

1210 WS



1

PAGE 1 ALL  
HOUPS (L S T)

MAR  
MONTH

FORM 0-26-S (OL-1)  
JUL 64

## PSYCHROMETRIC SUMMARY

MAN  
MON

PAGE 2 ALL  
HOURS 7.5 TT

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D B / W B	Dry Bulb	Wet Bulb	Dew Point
14/13	1	1																															73	73	102	269
12/11	1	1																															24	24	39	217
10/9	1	1																															26	26	26	150
8/7	1	1																															26	27	31	110
6/5	1	1																															5	6	6	63
4/3	1	1																															11	11	11	69
2/1	1	1																															9	9	9	21
0/.1	1	1																															5	5	5	13
-.2/-.3	1	1																															2	2	2	15
-.4/-.5	1	1																															1	1	1	5
-.6/-.7																																				2
-.8/-.9																																				2
TOTAL	8	39	72	71	3	0	7	5	4	3	2	3	1	3	1	5	3	1	2	1	0												14868	14868	14868	14868

DATA PROCESSING DIVISION  
 ETAG, USAF  
 ASHEVILLE, N. C. 28801

# PSYCHROMETRIC SUMMARY

13841 WILMINGTON OHIO/CLINTON CU AFB 44-49,53-68

APR  
 MONTH

PAGE 1 ALL  
 HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL DB/WB	TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		31	Dry Bulb	Wet Bulb	Dew Point
86/85																		0	0	0													8	8		
84/83																		0	0	0													16	16		
82/81																		0	0	0													34	34		
80/79																		0	0	0													109	109		
78/77																		0	0	0													158	158		
76/75																		0	0	0													191	191		
74/73																		0	0	0													223	223		
72/71																		0	0	0													287	287		
70/69																		0	0	0													406	406		
68/67																		0	0	0													439	439		
66/65																		0	0	0													585	585		
64/63																		0	0	0													628	628		
62/61																		0	0	0													789	789		
60/59																		0	0	0													882	882		
58/57																		0	0	0													834	834		
56/55																		0	0	0													818	818		
54/53																		0	0	0													863	863		
52/51																		0	0	0													905	905		
50/49																		0	0	0													818	818		
48/47																		0	0	0													793	793		
46/45																		0	0	0													774	774		
44/43																		0	0	0													764	764		
42/41																		0	0	0													686	686		
40/39																		0	0	0													671	671		
38/37																		0	0	0													617	617		
36/35																		0	0	0													493	493		
34/33																		0	0	0													374	374		
32/31																		0	0	0													267	267		
30/29																		0	0	0													165	165		
28/27																		0	0	0													78	78		
26/25																		0	0	0													38	38		
24/23																		0	0	0													26	26		
22/21																		0	0	0													8	8		
20/19																		0	0	0													8	8		
Element (X)	$\Sigma X^2$					$\Sigma X$					$\bar{X}$					$\sigma_x$					No Obs.					Mean No. of Hours with Temperature										
Rel. Hum.																																				
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

ASHEVILLE, N. C. 28801

## PSYCHROMETRIC SUMMARY

13841  
STATION

WILMINGTON OHIO/CLINTON CU AFB  
STATION NAME

44=49, 53=68

YEARS

APR  
MONTH

PAGE 2 ALL  
HOURS 12 5 11

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			
	0	1-2	3-4	5-6	7-8	9	10	11-12	13-14	15-16	17	18	19-20	21-22	23	24-25	26-27	28-29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
18/17																									56										
16/15																									25										
14/13																									13										
12/11																									5										
10/9																									3										
TOTAL	3,925	2,221	0,010	0,11	0,8	0,8	0,4	0,9	2,4	1,2	0,6	1	0								14751	14752	14751	14751											

FORM 0 26-5 (OLI) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# PSYCHROMETRIC SUMMARY

13841 WILMINGTON DMID/CLINTON CO AFB

44-49,53-60

YEARS

MAY  
MONTH

PAGE 1 ALL  
HOURS 1 5 11

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB / W B	Dry Bulb	Wet Bulb	Dew Point	
92/ 91																																		5	5		
90/ 89																																		18	12		
88/ 87																																		62	62		
86/ 85																																		106	106		
84/ 83																																		199	199		
82/ 81																																		237	237		
80/ 79																																		361	361		
78/ 77																																		401	401		
76/ 75																																		530	530	7	
74/ 73																																		642	642	58	3
72/ 71																																		693	693	178	14
70/ 69																																		832	832	463	70
68/ 67																																		984	984	708	266
66/ 65																																		1232	1232	1012	361
64/ 63																																		1223	1223	1246	924
62/ 61																																		990	991	1264	1117
60/ 59																																		1038	1038	1201	1107
58/ 57																																		866	866	1190	967
56/ 55																																		880	880	1216	950
54/ 53																																		721	721	1082	887
52/ 51																																		680	680	1134	987
50/ 49																																		629	629	994	1021
48/ 47																																		480	480	856	939
46/ 45																																		429	429	745	1038
44/ 43																																		317	317	582	917
42/ 41																																		253	253	445	816
40/ 39																																		182	182	357	759
38/ 37																																		130	130	234	592
36/ 35																																		58	58	153	417
34/ 33																																		31	31	72	319
32/ 31																																		27	27	44	250
30/ 29																																		11	11	22	175
28/ 27																																		4	4	10	98
26/ 25																																					
Element (X)	$\Sigma X^2$					$\Sigma X$					$\bar{X}$					$\sigma_x$					No. Obs.					Mean No. of Hours with Temperature											
Rel Hum.																										- 0 F - 32 F 67 F - 73 F - 80 F - 93 F					Total						
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

1

PAGE 2 ALL  
HOURS (R S T)

MAY  
MON

YEARS

MONTH

PAGE 2 ALL  
HOURS (R S T)

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

JULY  
MONTH

PAGE 1 ALL  
HOLDS 1 S 11

[illegible]

FORM 210 WS 0 26 5 (OLI) JUL 64 REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

i

## YEAPS

JUN  
MONTH

HOURS: 5-7

[illegible]



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# PSYCHROMETRIC SUMMARY

13851 WILMINGTON OHIO/CLINTON OH AFB

44-45, 47-49, 53-65

JUL  
MONTH

PAGE 1 ALL  
FOURS 1 5 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL		TOTAL	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB / W B	Dry Bulb	Wet Bulb	Dew Point	
102/101																																		2	2		
100/99																																		4	4		
98/97																																		6	6		
96/95																																		18	18		
94/93																																		66	66		
92/91																																		172	172		
90/89																																		329	330		
88/87																																		495	495		
86/85																																		709	709		
84/83																																		804	804		
82/81																																		859	859	8	1
80/79																																		1058	1058	56	4
78/77																																		1053	1053	246	30
76/75																																		1285	1285	668	107
74/73																																		1277	1277	1151	454
72/71																																		1369	1377	1789	1071
70/69																																		1427	1428	2183	1660
68/67																																		1009	1009	1926	1809
66/65																																		766	766	1619	1677
64/63																																		506	506	1272	1430
62/61																																		384	384	1046	1103
60/59																																		296	296	897	899
58/57																																		171	171	603	852
56/55																																		91	91	410	866
54/53																																		41	41	24	802
52/51																																		28	28	104	609
50/49																																		11	11	46	410
48/47																																		4	4	20	255
46/45																																				163	
44/43																																				51	
42/41																																				19	
40/39																																				5	
38/37																																					

1210 WS FOR JUL 64 0-26.5 (OLI) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

12841  
STATION

WILMINGTON OHIO/CLINTON CO AFB

44-45, 47-49, 53-68

444

PAGE 2 ALL  
HOURS 2 5 7

[illegible]

1

## AUG

YEARS

MONT

HOURS 1 5 7

FORM 0-26-5 (OL1)  
JUL 64

## PSYCHROMETRIC SUMMARY

13841

WILKINGTON OHIO/CLINTON CO AFB  
STATION NAME

43-45, 47-49, 53-68

AUG  
MON

PAGE 2 ALL  
HOURS 11 5 11

[illegible]

## PSYCHROMETRIC SUMMARY

SEP

MONI

HOURS		N	S	T
1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30
31	32	33	34	35
36	37	38	39	40
41	42	43	44	45
46	47	48	49	50
51	52	53	54	55
56	57	58	59	60
61	62	63	64	65
66	67	68	69	70
71	72	73	74	75
76	77	78	79	80
81	82	83	84	85
86	87	88	89	90
91	92	93	94	95
96	97	98	99	100

[illegible]

## PSYCHROMETRIC SUMMARY

13841

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

43-49, 53-63

529

MONTH

PAGE 2 ALL  
HOURS 11 5 11

[illegible]

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# PSYCHROMETRIC SUMMARY

13841 WILMINGTON OHIO/CLINTON CU AFB

43-48,53-68

UCT  
MONTH

PAGE 1 ALL  
HOURS R S T

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL DB/WB	TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		31	Dry Bulb	Wet Bulb	Dew Point	
88/ 87																																		6	6		
86/ 85																																		27	27		
84/ 83																																		36	36		
82/ 81																																		82	82		
80/ 79																																		167	167		
78/ 77																																		198	198		
76/ 75																																		260	260	7	
74/ 73																																		297	297	18	0
72/ 71																																		351	351	41	20
70/ 69																																		516	516	103	56
68/ 67																																		604	604	215	96
66/ 65																																		617	617	311	177
64/ 63																																		649	649	450	213
62/ 61																																		815	815	639	257
60/ 59																																		1006	1006	802	426
58/ 57																																		891	892	867	620
56/ 55																																		920	920	944	666
54/ 53																																		916	916	954	709
52/ 51																																		932	932	1114	676
50/ 49																																		964	964	1149	794
48/ 47																																		914	914	1240	851
46/ 45																																		824	824	1275	1065
44/ 43																																		712	712	1104	1246
42/ 41																																		595	595	1028	1210
40/ 39																																		534	534	768	1109
38/ 37																																		365	366	625	1025
36/ 35																																		276	276	490	947
34/ 33																																		180	180	305	833
32/ 31																																		98	98	206	692
30/ 29																																		53	54	113	461
28/ 27																																		19	19	36	276
26/ 25																																		15	15	24	195
24/ 23																																		2	2	8	101
22/ 21																																		3	3	3	53
Element (X)	$\Sigma X^2$					$\Sigma X$					$\bar{X}$					$\sigma_x$					No Obs					Mean No. of Hours with Temperature											
Rel Hum.																																					
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

## PSYCHROMETRIC SUMMARY

13841  
\* STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

43-48, 53-68

YEARS

OCT  
MON

PAGE 2 ALL  
HOURS (L S T)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D B / W B	Dry Bulb	Wet Bulb	Dew Point	
20/19																																				3	20
18/17																																				8	18
16/15																																				0	16
14/13																																				9	14
10/9																																				1	10
TOTAL	4,525	1,207	1,147	1,088	8,235	3,944	2,614	1,492	924	2,102	1,484	924	421	210	105	52	26	13	6	3	1	0	0	0	0	0	0	0	0	0	0	0	0	14845	14847	14845	



ATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# PSYCHROMETRIC SUMMARY

13841 WILMINGTON W-10/CLINTON CO AFB

43-48, 53-68

NDV  
MONTH

PAGE 1 ALL  
HOURS R S T

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL DB / W B	TOTAL							
	0	1	2	3	4	5-6	7-8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Dry Bulb		Wet Bulb	Dew Point						
78/ 77							0	0	0	0																							7	7						
76/ 75							0	0	0	0																							13	13						
74/ 73							0	0	0	0																							21	21						
72/ 71						0	0	0	0	0						0																	33	33						
70/ 69					0	0	0	1	1	1						0																	74	74	5					
68/ 67	0	1			1	1	1	1	1	1						0																	124	124	6	2				
66/ 65	0	1	2		1	2	2	2	2	2						0																	177	177	34	13				
64/ 63	0	1	2	3	1	2	2	2	2	2						0																	233	233	78	47				
62/ 61	0	1	2	3	4	1	4	4	4	4						0																	312	312	120	39				
60/ 59	0	1	2	3	4	5	1	5	5	5						0																	418	418	210	94				
58/ 57	0	1	2	3	4	5	6	1	6	6						0																	495	495	294	219				
56/ 55	0	1	2	3	4	5	6	7	6	6						0																	539	539	480	274				
54/ 53	0	1	1	0		8	7	8	8	8						0																		624	624	455	343			
52/ 51	0	1	1	0		7	7	7	7	7						0																		634	634	560	358			
50/ 49	0	1	1	1	0	1	1	1	1	1																								744	744	625	399			
48/ 47	0	1	1	1	1	1	1	1	1	1																								795	795	690	471			
46/ 45	0	1	1	1	1	2	1	2	2	2						0																		869	869	877	582			
44/ 43	0	1	1	1	1	1	1	1	1	1						0																		834	834	916	607			
42/ 41	0	1	1	1	1	1	1	1	1	1						0																		777	777	840	752			
40/ 39	0	1	1	1	1	1	1	1	1	1						0																		974	974	948	756			
38/ 37	0	1	1	1	1	1	1	1	1	1																								1014	1014	1014	789			
36/ 35	0	1	1	1	1	1	1	1	1	1																								1124	1124	1198	1030			
34/ 33	0	1	1	1	1	1	1	1	1	1																								949	949	1200	1036			
32/ 31	0	1	1	1	1	1	1	1	1	1																								766	766	1218	1127			
30/ 29	0	1	1	1	1	1	1	1	1	1																								684	684	864	1154			
28/ 27	0	1	1	1	1	1	1	1	1	1																								458	458	690	879			
26/ 25	0	1	1	1	1	1	1	1	1	1																								343	343	506	992			
24/ 23	0	1	1	1	1	1	1	1	1	1																								235	235	305	767			
22/ 21	0	1	1	1	1	1	1	1	1	1																								167	167	254	585			
20/ 19	0	1	1	1	1	1	1	1	1	1																								106	106	177	407			
18/ 17	0	1	1	1	1	1	1	1	1	1																								27	27	55	353			
16/ 15	0	1	1	1	1	1	1	1	1	1																								31	31	29	237			
14/ 13	0	1	1	1	1	1	1	1	1	1																								40	40	43	130			
12/ 11	0	1	1	1	1	1	1	1	1	1																								24	24	35	94			
Element (X)	$\Sigma X^2$					$\Sigma X$					$\bar{X}$					$\sigma_x$					No Obs					Mean No. of Hours with Temperature														
Rel. Hum.																										< 0 F					< 32 F									
Dry Bulb																															> 67 F					> 73 F				
Wet Bulb																															> 80 F					> 93 F				
Dew Point																																				Total				

## PSYCHROMETRIC SUMMARY

13841  
STATION

WILMINGTON OHIO/CLINTON CU AFB  
STATION NAME

43-48, 53-68

NDV  
MONIM

PAGE 2 ALL  
HOURS 11 5 11

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D B / W B	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15	16	17-18	19-20	21-22	23	24-25	26-27	28-29	30	-31	Dry Bulb		Wet Bulb	Dew Point	
10/9	10	1																			11	11	10	52
8/7	10	10																			9	9	9	31
6/5	10																				4	4	7	25
4/3	10																				3	3	3	34
2/1	10																				4	4	4	16
0/-1	10																				1	1	1	7
-2/-3	10																				1	1	1	3
-4/-5	10																				1	1	1	3
-6/-9	10																				1	1	1	2
TOTAL	8,238	8,524	413	3	7.9	4.7	2.2	.8	.2	.1											14719	14721	14718	
																						14719	14719	
					</																			

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# PSYCHROMETRIC SUMMARY

12841 WILMINGTON OHIO/CLINTON CO APB

43-48, 53-67

DEC  
MONTH

PAGE 1 ALL  
HOURS (L S T)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL							
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D B / W B	Dry Bulb	Wet Bulb	Dew Point				
70/ 69					.0	.0				.0																							3	3						
68/ 67					.0	.0		.0																									6	6						
66/ 65					.0	.0		.0																									9	9	1					
64/ 63		.0	.0		.1	.1		.0			.0	.0	.0	.0				.0	.0														47	47	6	5				
62/ 61		.1	.1		.1	.1		.1			.0	.0	.0	.0				.0	.0														55	55	25	17				
60/ 59		.1	.1		.1	.1		.1			.0	.0	.0	.0				.0															103	103	46	18				
58/ 57		.0	.4		.2	.2		.2			.1	.1	.0	.0																				155	155	70	38			
56/ 55		.1	.4		.3	.2		.2			.1	.1	.0	.0																				208	208	121	116			
54/ 53		.1	.4		.3	.2		.2			.1	.0	.0	.0																				254	254	163	104			
52/ 51		.1	.4		.3	.2		.2			.2	.0	.0	.0																				240	240	221	167			
50/ 49		.1	.4		.3	.4		.3			.2	.0	.0	.0																				320	320	230	208			
48/ 47		.1	.4		.3	.4		.3			.1	.0	.0	.0																				378	378	289	210			
46/ 45		.1	.4		.3	.6		.3			.0	.0	.0	.0																				443	443	355	250			
44/ 43		.1	.4		.3	.6		.3			.0	.0	.0	.0																				498	498	375	237			
42/ 41		.1	.1		.3	.6		.2			.0	.0	.0	.0																				567	567	493	321			
40/ 39		.1	.1		.4	.7		.1			.0	.0	.0	.0																				586	586	576	369			
38/ 37		.1	.1		.6	.6		.0			.0	.0	.0	.0																				725	725	660	425			
36/ 35		.1	.1		.7	.6		.0			.0	.0	.0	.0																				967	967	826	549			
34/ 33		.1	.1		.8	.3		.0			.0	.0	.0	.0																				1075	1075	946	724			
32/ 31		.1	.1		.8	.2		.1			.0	.0	.0	.0																				1175	1176	1260	950			
30/ 29		.1	.1		.8	.1		.1			.0	.0	.0	.0																				1158	1160	1220	968			
28/ 27		.1	.1		.8	.0		.1			.0	.0	.0	.0																				972	973	1250	912			
26/ 25		.1	.1		.8	.0		.0			.0	.0	.0	.0																				872	873	990	1084			
24/ 23		.1	.1		.7	.0		.0			.0	.0	.0	.0																				683	683	863	1079			
22/ 21		.1	.1		.7	.0		.0			.0	.0	.0	.0																				595	595	672	1015			
20/ 19		.1	.1		.6	.0		.0			.0	.0	.0	.0																				536	536	616	713			
18/ 17		.1	.1		.6	.0		.0			.0	.0	.0	.0																				436	437	551	741			
16/ 15		.1	.1		.6	.0		.0			.0	.0	.0	.0																				334	334	396	571			
14/ 13		.1	.1		.6	.0		.0			.0	.0	.0	.0																				238	238	292	540			
12/ 11		.1	.1		.6	.0		.0			.0	.0	.0	.0																				200	200	226	459			
10/ 9		.1	.1		.6	.0		.0			.0	.0	.0	.0																				185	185	221	300			
8/ 7		.1	.1		.6	.0		.0			.0	.0	.0	.0																				112	112	125	262			
6/ 5		.1	.1		.6	.0		.0			.0	.0	.0	.0																				81	81	91	223			
Element (X)	$\Sigma X^2$					$\Sigma X$					$\bar{X}$					$\sigma_x$					No Obs					Mean No. of Hours with Temperature														
Rel. Hum																										< 0 F					< 32 F									
Dry Bulb																															< 67 F					< 73 F				
Wet Bulb																															< 80 F					< 93 F				
Dew Point																																				Total				

## PSYCHROMETRIC SUMMARY

13841	WILMINGTON OHIO/CLINTON CO AFB
STATION	STATION NAME

43-48, 53-67

DEC

MON'TH

PAGE 2 ALL  
HOURS 'L S T

[illegible]

## PSYCHROMETRIC SUMMARY

ALL  
MON

PAGE 1 ALL  
HOUPS (R S T)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D B / W B		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Dry Bulb	Wet Bulb	Dew Point	
102/101																																		2	2	
100/99																																		11	11	
98/97																																		28	28	
96/95																																		91	91	
94/93																																		216	216	
92/91																																		485	485	
90/89																																		990	990	
88/87																																		1587	1587	
86/85																																		2224	2224	2
84/83																																		2749	2749	
82/81																																		3179	3179	20
80/79																																		4069	4069	126
78/77																																		4338	4338	61
76/75																																		5255	5255	256
74/73																																		5998	5998	1126
72/71																																		6326	6326	2818
70/69																																		7381	7382	4919
68/67																																		6741	6742	6041
66/65																																		6673	6674	6561
64/63																																		6031	6034	6321
62/61																																		5920	5923	6321
60/59																																		6301	6304	6402
58/57																																		5517	5521	7370
56/55																																		5491	5495	6543
54/53																																		5042	5046	6283
52/51																																		5005	5006	6312
50/49																																		4949	4949	5998
48/47																																		4857	4857	5648
46/45																																		4957	4956	5800
44/43																																		4685	4686	5707
42/41																																		4525	4526	5359
40/39																																		4982	4982	5428
38/37																																		5017	5017	5455
36/35																																		5735	5735	6066
Element (X)	Σ X <sup>2</sup>				Σ X				X̄				σ <sub>x</sub>				No Obs.																Mean No. of Hours with Temperature			
Rel. Hum.																																	Total			
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# PSYCHROMETRIC SUMMARY

13841  
STATION

WILMINGTON OHIO/CLINTON CG AFB  
STATION NAME

43-49, 53-68  
YEARS

ALL  
MONTH

PAGE 2 ALL  
HOURS (R S T)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D B / W B	TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		31	Dry Bulb	Wet Bulb	Dew Point	
34/33	4	1	6	19	2	0																											5575	5590	5962	6118	
32/31	5	1	7	18	1	0																											5477	5482	6734	6853	
30/29	3	1	7	17	0	0																											4930	4939	5807	6363	
28/27	2	1	5	15	0	0																											3935	3970	5104	5364	
26/25	2	1	4	13	0	0																											3401	3509	4243	5875	
24/23	2	1	1	12	0	0																											2636	2662	3462	5045	
22/21	2	1	0	11	0																												2261	2268	2687	4433	
20/19	2	1	0	10	0																												1907	1924	2356	3295	
18/17	1	1	7	9	0																												1511	1519	1920	3207	
16/15	1	1	6	8	0																												1273	1286	1679	2469	
14/13	1	1	5	7	0																												973	979	1187	2026	
12/11	1	1	4	6	0																												857	864	950	1657	
10/9	1	1	3	5	0																												692	699	869	1243	
8/7	1	1	2	4	0																												502	508	579	1154	
6/5	1	1	1	3	0																												420	434	474	982	
4/3	1	1	1	2	0																												312	325	365	668	
2/1	1	1	1	1	0																												223	225	258	671	
0/-	1	1	1	0																													184	188	200	533	
2/-3	0	0	0	0	0																												129	131	142	360	
4/-5	0	0	0	0																													73	81	84	358	
6/-7	0	0	0	0																													37	37	53	233	
8/-9	0	0	0	0																													12	13	16	200	
10/-11	0	0	0	0																													6	6	6	124	
12/-13	0	0	0	0																													2	2	3	99	
14/-15	0	0	0	0																													3	3	3	43	
16/-17	0	0	0	0																													4	4	3	49	
18/-19																																				1	27
20/-21																																					18
22/-23																																					0
24/-25																																					7
26/-27																																					4
28/-29																																					1
30/-31																																					4
36/-37																																					2
Element (X)	$\Sigma X^2$			$\Sigma X$			$\bar{X}$			$\sigma_x$			No. Obs			Mean No. of Hours with Temperature																					
Rel Hum																$\leq 0$ F $\leq 32$ F $> 67$ F $< 73$ F $> 80$ F $> 93$ F   Total																					
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

## PSYCHROMETRIC SUMMARY

ALL

PAGE 3 ALL  
HOURS 8 5 11

[illegible]

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13841 WILMINGTON OHIO/CLINTON CO AFB 43-49,52-68

STATION	STATION NAME												YEARS	
HRS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
00-02	MEAN	26.7	28.8	37.0	47.6	55.7	64.8	68.1	67.0	60.3	49.5	39.6	30.0	48.0
	S D	12.467	11.954	11.820	10.151	8.715	6.660	5.043	5.612	8.110	9.039	10.634	12.024	17.476
	TOTAL OBS	1671	1448	1720	1712	1782	1682	1573	1642	1688	1652	1678	1673	19931
03-05	MEAN	25.8	27.7	35.4	45.6	53.4	62.3	65.8	65.0	58.3	47.7	38.2	29.3	46.4
	S D	12.608	12.120	12.201	10.538	9.067	6.960	5.320	5.922	8.414	9.344	10.701	12.180	17.213
	TOTAL OBS	1578	1363	1632	1623	1697	1620	1513	1580	1625	1596	1617	1583	19029
06-08	MEAN	25.1	26.8	35.1	46.3	55.9	65.6	68.5	66.9	59.3	47.9	37.7	28.5	47.3
	S D	12.978	12.345	12.303	10.642	9.226	7.469	5.642	6.472	8.492	9.378	10.697	12.380	18.408
	TOTAL OBS	1270	1448	1724	1712	1781	1679	1653	1736	1744	1717	1708	1676	20248
09-11	MEAN	27.7	30.3	40.5	53.3	62.6	73.7	76.7	75.7	68.7	56.9	42.9	31.3	53.7
	S D	12.268	11.987	12.553	11.118	9.708	7.971	5.986	6.778	8.369	10.011	10.959	12.123	20.313
	TOTAL OBS	1872	1630	1925	1908	1966	1832	1839	1929	1927	1910	1908	1876	22342
12-14	MEAN	31.9	35.1	45.3	58.2	68.2	78.3	81.2	80.6	74.3	62.9	47.9	35.6	58.6
	S D	11.740	12.199	13.141	11.829	10.130	7.999	6.347	6.806	8.878	10.841	11.685	11.921	20.593
	TOTAL OBS	1881	1638	1934	1913	1974	1857	1873	1941	1947	1926	1916	1886	22688
15-17	MEAN	22.7	36.4	46.7	59.5	69.4	79.1	82.1	81.5	74.9	63.4	47.9	35.9	59.5
	S D	11.793	12.067	13.221	11.712	10.196	7.850	6.193	6.639	9.037	10.714	11.572	11.749	20.588
	TOTAL OBS	1935	1686	1988	1963	2034	1937	1931	2028	2046	2018	1967	1938	23471
18-20	MEAN	29.3	32.8	42.8	55.4	65.4	74.9	80.1	76.4	68.4	56.3	43.1	32.5	59.0
	S D	12.008	11.727	12.132	10.744	9.480	7.449	6.732	6.989	8.553	9.328	10.677	11.527	19.842
	TOTAL OBS	1935	1686	1989	1961	2031	1951	1931	1980	2043	2019	1967	1935	23430
21-23	MEAN	27.6	30.2	39.2	50.6	59.4	68.3	71.4	69.8	62.6	51.9	40.8	30.7	50.5
	S D	12.104	11.714	11.561	9.950	8.482	6.559	4.761	5.872	7.430	8.858	10.718	11.766	18.112
	TOTAL OBS	1929	1678	1979	1953	2022	1936	1913	1966	2023	2003	1960	1926	23290
ALL HOURS	MEAN	28.5	31.2	40.5	52.4	61.7	71.2	74.4	73.3	66.7	55.0	42.5	31.8	52.7
	S D	12.550	12.450	13.046	11.954	10.969	9.501	8.173	8.738	10.511	11.378	11.587	12.220	19.770
	TOTAL OBS	14459	12577	14891	14752	15487	14496	14252	14802	15043	14847	14721	14498	174637



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# MEANS AND STANDARD DEVIATIONS

NET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

12841 WILMINGTON UNID/CLINTON CO AFB 43-49, 53-68  
STATION STATION NAME YEARS

HRS (I S T)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN	25.3	27.3	34.6	44.1	52.3	61.1	69.3	63.8	56.8	46.4	37.1	28.4	45.2
	S D	12.202	11.580	11.079	9.505	8.556	6.720	5.516	5.827	7.953	8.668	10.008	11.523	16.643
	TOTAL OBS	1670	1463	1717	1712	1781	1681	1572	1642	1685	1657	1678	1672	19900
03-05	MEAN	24.6	26.4	33.4	42.8	50.8	59.7	63.0	62.7	55.7	45.2	36.1	27.7	44.2
	S D	12.337	11.575	11.529	9.970	8.974	7.020	5.885	6.113	8.303	9.027	10.087	11.707	16.637
	TOTAL OBS	1372	1349	1620	1623	1697	1620	1512	1580	1622	1596	1617	1583	19003
06-08	MEAN	23.9	25.7	33.2	43.3	52.3	61.5	64.5	63.7	56.3	45.4	35.7	27.1	44.7
	S D	12.662	11.857	11.615	9.997	8.836	6.996	5.732	6.248	8.196	8.999	10.168	11.956	17.372
	TOTAL OBS	1667	1480	1713	1712	1781	1679	1652	1736	1741	1717	1768	1679	20212
09-11	MEAN	26.0	28.3	37.0	47.4	56.3	64.8	67.8	67.2	60.8	50.6	39.4	29.3	48.2
	S D	11.833	11.180	11.210	9.725	8.490	6.701	5.366	5.816	7.371	8.398	9.238	11.503	17.492
	TOTAL OBS	1872	1610	1922	1908	1965	1832	1858	1929	1927	1910	1908	1876	22515
12-14	MEAN	29.3	31.8	40.1	50.0	58.4	66.2	69.1	68.4	62.5	53.1	42.3	32.3	50.6
	S D	10.994	10.697	10.963	9.970	8.147	6.511	5.295	5.700	7.198	8.279	9.234	10.830	16.660
	TOTAL OBS	1881	1615	1921	1915	1974	1857	1872	1941	1947	1926	1916	1826	22662
15-17	MEAN	29.9	32.9	40.9	50.6	58.8	66.4	69.2	68.5	62.6	53.4	42.3	32.7	51.0
	S D	11.012	10.565	10.717	9.195	7.903	6.178	4.949	5.404	7.170	8.160	9.858	10.587	16.402
	TOTAL OBS	1933	1668	1986	1962	2034	1937	1930	2028	2046	2018	1947	1938	23448
18-20	MEAN	27.3	30.4	38.6	48.9	57.4	65.4	68.3	67.5	60.6	50.3	39.6	30.3	49.0
	S D	11.587	10.877	10.631	9.125	7.597	6.053	4.887	5.425	7.408	8.311	9.860	10.897	16.530
	TOTAL OBS	1933	1668	1986	1964	2031	1932	1931	1979	2045	2019	1967	1935	23417
21-23	MEAN	26.0	28.4	36.2	46.3	54.6	62.0	66.0	65.2	58.0	47.8	37.9	28.9	46.8
	S D	12.124	11.271	10.640	9.137	8.083	6.302	5.109	5.710	7.724	8.469	9.991	11.250	16.797
	TOTAL OBS	1927	1660	1979	1955	2022	1933	1911	1965	2013	2002	1960	1926	23239
ALL HOURS	MEAN	26.6	29.1	36.9	46.8	55.3	63.6	66.7	66.0	59.3	49.2	38.9	29.7	47.6
	S D	11.996	11.411	11.263	9.928	8.807	6.960	5.760	6.150	8.072	9.048	10.253	11.429	17.046
	TOTAL OBS	14460	12433	14868	14751	15285	14491	14240	14800	15022	14845	14719	14492	174416

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28901

# MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

12041 WILMINGTON OHIO/CLINTON CU AFB 43-49,53-68  
STATION STATION NAME YEARS

HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN	21.1	23.1	30.6	40.3	49.5	58.7	62.1	61.9	54.4	43.3	33.6	24.5	42.0
	S D	14.332	13.017	12.157	10.528	9.629	7.681	6.617	6.552	8.815	9.591	10.984	12.928	17.943
	TOTAL OBS	1670	1423	1717	1712	1781	1681	1572	1642	1685	1657	1678	1672	19900
03-05	MEAN	20.6	22.5	29.8	39.4	48.5	57.8	61.3	61.2	53.7	42.6	32.9	24.1	41.4
	S D	14.516	13.351	12.612	10.855	9.862	7.718	6.690	6.697	8.947	9.746	10.951	13.081	17.985
	TOTAL OBS	1573	1349	1629	1623	1697	1620	1512	1580	1622	1598	1616	1583	19002
06-08	MEAN	20.0	21.9	29.6	39.7	49.3	58.9	62.3	61.9	54.1	42.8	32.7	23.5	41.7
	S D	14.769	13.553	12.657	11.022	9.874	7.812	6.644	6.816	8.869	9.697	11.081	13.354	18.506
	TOTAL OBS	1667	1431	1712	1712	1781	1679	1532	1735	1741	1717	1708	1676	20212
09-11	MEAN	21.5	23.5	31.8	41.3	50.8	59.8	63.2	62.7	55.7	44.9	34.8	25.0	43.2
	S D	13.837	12.905	12.402	11.432	10.317	8.233	7.273	7.268	9.020	9.737	11.101	13.005	18.273
	TOTAL OBS	1874	1610	1922	1908	1965	1832	1854	1929	1927	1910	1908	1876	22318
12-14	MEAN	23.6	25.7	33.3	42.1	51.2	59.5	62.8	62.0	55.0	44.7	35.6	27.0	43.8
	S D	13.121	12.339	12.096	11.682	10.264	8.639	7.705	7.731	9.770	10.811	11.456	12.278	17.471
	TOTAL OBS	1881	1615	1931	1913	1974	1837	1818	1941	1947	1926	1916	1886	22662
15-17	MEAN	24.0	26.5	33.7	43.3	51.3	59.2	62.9	61.7	54.6	44.8	35.6	27.2	43.9
	S D	13.189	12.264	11.872	11.441	10.155	8.657	7.603	7.718	10.006	10.393	11.507	12.031	17.213
	TOTAL OBS	1935	1668	1988	1962	2034	1936	1920	2028	2046	2018	1987	1938	23448
18-20	MEAN	22.3	25.4	33.0	42.6	51.6	59.7	63.2	62.8	55.4	44.7	34.6	25.9	43.1
	S D	13.889	12.617	11.851	10.972	9.555	8.104	7.210	7.150	9.250	10.049	11.167	12.338	17.796
	TOTAL OBS	1933	1668	1989	1964	2031	1932	1921	1979	2045	2019	1957	1935	23413
21-23	MEAN	21.4	24.0	31.8	41.8	50.9	54.6	62.1	62.6	54.8	43.7	33.9	24.9	43.0
	S D	14.260	12.900	11.744	10.418	9.440	7.556	6.615	6.714	8.913	9.830	11.071	12.627	18.012
	TOTAL OBS	1927	1660	1979	1935	2024	1933	1971	1915	2019	2002	1960	1926	23259
ALL HOURS	MEAN	21.9	24.2	31.8	41.3	50.5	59.2	62.6	62.7	54.8	44.0	34.3	25.4	42.9
	S D	14.050	12.934	12.243	11.119	9.487	8.102	7.109	7.108	9.247	9.875	11.223	12.747	17.913
	TOTAL OBS	14460	12484	14868	14751	15285	14490	14240	14799	15032	14843	14718	14492	174414

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N.C. 28801

# RELATIVE HUMIDITY

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-49,54-68

PERIOD

JAN  
MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100,0	100,0	99,8	98,6	98,0	92,0	78,6	52,0	22,0	79,8	1670
	03-05	100,0	100,0	99,9	99,6	98,2	93,8	80,4	55,7	23,8	80,7	1575
	06-08	100,0	99,9	99,8	99,5	98,4	94,2	81,5	56,6	24,8	81,1	1667
	09-11	100,0	99,9	99,9	99,7	97,6	89,1	71,4	46,3	21,4	78,2	1872
	12-14	100,0	100,0	99,9	98,6	91,4	75,9	53,0	33,8	16,1	72,4	1881
	15-17	100,0	100,0	99,9	98,5	90,3	70,9	49,0	32,5	15,6	71,3	1935
	18-20	100,0	100,0	99,9	99,5	96,4	85,3	64,5	38,5	17,1	75,8	1933
	21-23	100,0	100,0	100,0	99,7	97,8	89,9	71,8	43,6	19,1	77,9	1927
TOTALS		100,0	100,0	99,9	99,3	95,9	86,0	68,1	44,3	19,8	76,9	14460

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N.C. 28801

# RELATIVE HUMIDITY

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-45, 47-49, 54-68  
PERIOD

FEB  
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100,0	100,0	100,0	99,7	98,9	99,3	77,3	48,5	18,4	79,1	1433
	03-05	100,0	100,0	99,9	99,5	98,5	94,2	80,9	54,7	20,1	80,4	1349
	06-08	100,0	100,0	100,0	99,7	98,7	95,5	83,4	57,6	22,7	81,3	1430
	09-11	100,0	100,0	99,9	99,1	95,9	86,0	65,3	40,2	17,5	76,0	1610
	12-14	100,0	100,0	99,5	96,3	87,1	68,0	47,9	29,0	13,7	69,8	1615
	15-17	100,0	100,0	99,6	95,1	83,6	63,4	45,0	29,2	14,8	68,6	1668
	18-20	100,0	100,0	100,0	98,9	95,7	82,2	60,2	36,5	17,1	74,6	1668
	21-23	100,0	100,0	100,0	99,4	97,9	90,8	70,9	42,4	19,0	77,6	1660
TOTALS		100,0	100,0	99,9	98,4	94,3	83,6	65,5	41,7	17,8	75,7	12433

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N.C. 28801

# RELATIVE HUMIDITY

13841

WILMINGTON OHIO/CLINTON CO AFB

44-49,53-68

MAR

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	100.0	100.0	99.9	99.9	97.6	89.8	72.6	47.4	21.5	78.3	1717
	03-05	100.0	100.0	100.0	99.9	98.3	93.4	78.6	53.6	24.1	80.3	1629
	06-08	100.0	100.0	100.0	100.0	98.8	93.8	79.5	56.8	23.1	80.7	1715
	09-11	100.0	100.0	99.8	97.7	90.4	74.7	56.0	36.1	16.6	72.5	1922
	12-14	100.0	99.9	98.2	90.8	76.0	56.7	39.0	25.6	11.3	65.2	1931
	15-17	100.0	99.6	96.0	87.1	70.9	54.2	40.5	25.3	10.5	63.9	1986
	18-20	100.0	99.9	99.2	95.6	85.5	70.4	50.0	31.3	13.6	70.2	1989
	21-23	100.0	100.0	99.8	98.9	94.9	84.0	65.3	40.7	16.6	75.7	1979
TOTALS		100.0	99.9	99.1	96.0	88.5	76.3	59.3	38.9	16.9	73.0	14868

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N.C. 28801

# RELATIVE HUMIDITY

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-49,53-68

PERIOD

APR  
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	100,0	100,0	100,0	99,9	97,1	87,1	66,4	42,7	19,7	76,9	1712
	03-05	100,0	100,0	100,0	100,0	98,9	92,4	74,2	51,8	25,9	79,8	1623
	06-08	100,0	100,0	100,0	99,9	97,8	88,8	71,4	48,4	22,2	78,4	1712
	09-11	100,0	99,9	99,3	93,0	77,9	59,3	38,5	24,2	10,4	65,9	1908
	12-14	100,0	99,6	95,2	79,4	59,1	40,7	28,6	18,3	7,8	58,3	1915
	15-17	100,0	99,4	92,5	73,8	58,3	38,5	27,3	16,4	6,1	56,4	1962
	18-20	100,0	99,8	98,1	90,6	73,5	55,4	38,8	24,9	9,8	64,6	1964
	21-23	100,0	100,0	100,0	98,9	93,2	77,1	56,8	35,2	14,9	73,3	1955
TOTALS		100,0	99,9	98,0	91,5	80,5	66,3	49,2	31,9	14,2	68,7	14751

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N.C. 28801

# RELATIVE HUMIDITY

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-49,53-68

PERIOD

MAY  
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100,0	100,0	100,0	99,9	98,9	92,9	77,4	52,2	25,2	80,4	1781
	03-05	100,0	100,0	100,0	99,9	99,6	97,3	86,6	65,0	33,4	84,0	1697
	06-08	100,0	100,0	100,0	100,0	98,1	90,1	73,9	51,0	23,5	79,5	1701
	09-11	100,0	100,0	99,6	93,7	78,8	56,8	36,3	21,3	8,1	65,1	1965
	12-14	100,0	99,9	96,3	82,4	59,4	37,4	23,2	13,2	4,1	57,1	1974
	15-17	100,0	99,9	93,6	76,1	55,2	34,4	22,8	13,5	4,8	55,6	2034
	18-20	100,0	100,0	98,2	88,7	73,1	54,3	36,4	20,9	6,7	63,6	2031
	21-23	100,0	100,0	100,0	99,7	94,0	81,1	60,8	38,8	15,3	74,8	2022
TOTALS		100,0	100,0	98,4	92,2	81,3	66,8	50,8	33,4	14,5	69,4	15289

## RELATIVE HUMIDITY

JUN

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100,0	100,0	100,0	100,0	99,9	94,8	81,9	57,6	23,0	81,2	1681
	03-05	100,0	100,0	100,0	100,0	100,0	99,1	91,0	72,4	32,0	85,2	1620
	06-08	100,0	100,0	100,0	99,9	98,8	93,4	77,4	51,6	19,0	79,7	1679
	09-11	100,0	100,0	99,4	94,4	80,0	56,2	32,4	14,0	3,9	63,6	1832
	12-14	100,0	100,0	96,5	81,7	55,6	31,4	15,5	6,8	1,8	54,5	1857
	15-17	100,0	100,0	93,8	74,8	49,2	29,2	15,8	8,5	2,6	52,9	1936
	18-20	100,0	100,0	98,6	89,2	71,2	50,6	32,1	17,2	6,0	62,0	1952
	21-23	100,0	100,0	100,0	99,7	96,5	84,8	63,7	39,9	13,3	75,4	1933
TOTALS		100,0	100,0	98,5	92,1	80,5	66,1	49,7	32,2	12,1	68,7	14490

USAF ETAC      FORM 0-87-5 (OL 1)  
JUL 64

FORM  
101 64



DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N.C. 28801

# RELATIVE HUMIDITY

12841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

44-45, 47-49, 53-68  
PERIOD

JUL  
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100,0	100,0	100,0	99,9	99,5	96,1	83,4	60,8	21,0	81,7	1572
	03-05	100,0	100,0	100,0	99,9	99,8	98,6	92,9	73,7	32,0	85,6	1512
	06-08	100,0	100,0	100,0	99,9	98,5	94,4	81,2	58,7	21,2	81,1	1652
	09-11	100,0	100,0	99,4	95,2	81,7	59,5	35,9	13,6	4,3	64,8	1859
	12-14	100,0	99,9	97,2	83,6	57,8	33,2	16,2	8,2	3,6	53,6	1873
	15-17	100,0	99,7	96,3	77,9	51,8	29,9	17,1	8,9	3,2	53,9	1930
	18-20	100,0	99,9	99,1	90,6	74,0	51,3	32,1	18,0	5,3	62,5	1931
	21-23	100,0	100,0	100,0	99,5	97,1	87,1	67,5	42,6	12,7	76,3	1911
TOTALS		100,0	99,9	98,9	92,9	81,4	66,8	51,0	33,9	12,1	69,3	14240

DATA PROCESSING DIVISION  
ETAC, USAP  
ASHEVILLE, N.C. 28801

# RELATIVE HUMIDITY

19841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

43-45,47-49,53-68  
PERIOD

AUG  
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS ILST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100,0	100,0	100,0	100,0	99,9	98,9	91,0	69,4	24,3	84,3	1642
	03-05	100,0	100,0	100,0	100,0	100,0	99,5	95,9	82,7	38,3	87,8	1580
	06-08	100,0	100,0	100,0	100,0	99,9	98,1	89,5	70,0	28,0	84,6	1735
	09-11	100,0	100,0	99,8	97,8	86,3	61,7	35,7	15,6	3,4	65,5	1929
	12-14	100,0	99,9	98,2	86,7	58,4	31,5	13,8	5,5	1,4	55,0	1941
	15-17	100,0	99,7	97,1	79,8	50,2	27,6	13,7	6,5	1,9	53,1	2028
	18-20	100,0	100,0	99,6	95,0	80,5	58,8	35,7	15,1	4,1	64,5	1979
	21-23	100,0	100,0	100,0	98,9	99,0	93,7	77,4	47,7	12,0	78,6	1965
TOTALS		100,0	100,0	99,3	94,5	83,2	69,4	54,2	36,9	13,1	70,7	14799

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N.C. 28801

# RELATIVE HUMIDITY

13841  
STATION

WILMINGTON OHIO/CLINTON CD AFB  
STATION NAME

43-49,53-68

SEP  
MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100,0	100,0	100,0	99,8	98,9	95,3	82,4	57,1	22,9	81,5	1685
	03-05	100,0	100,0	100,0	99,9	99,7	97,8	92,0	72,5	32,7	85,4	1622
	06-08	100,0	100,0	99,9	99,9	99,2	96,6	86,7	65,2	28,5	83,6	1741
	09-11	100,0	99,9	99,3	94,8	81,1	58,4	36,0	19,3	5,1	65,1	1927
	12-14	100,0	99,5	94,2	76,6	52,3	28,4	15,6	5,6	2,1	53,4	1047
	15-17	100,0	99,4	90,8	70,8	47,1	28,1	16,6	10,2	3,8	52,2	2046
	18-20	100,0	100,0	99,0	93,2	80,1	60,0	37,5	20,5	7,2	65,4	2045
	21-23	100,0	100,0	100,0	99,3	97,3	88,8	70,3	41,2	14,0	76,8	2019
TOTALS		100,0	99,8	97,8	91,3	80,9	67,5	52,6	35,1	14,0	69,6	15032

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N.C. 28801

# RELATIVE HUMIDITY

13841

WILMINGTON OHIO/CLINTON CO AFB

43-48, 53-68

OCT

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	100,0	100,0	100,0	99,8	98,4	91,9	77,4	49,7	22,2	79,7	1657
	03-05	100,0	100,0	100,0	100,0	99,6	96,0	86,5	61,7	30,7	83,2	1596
	06-08	100,0	100,0	100,0	99,9	99,4	93,9	86,2	62,8	28,3	83,0	1717
	09-11	100,0	99,9	99,3	93,8	80,4	61,5	39,5	21,8	8,8	66,1	1910
	12-14	100,0	99,2	93,5	74,8	51,2	33,1	21,2	12,4	5,1	54,6	1926
	15-17	100,0	99,2	92,3	70,3	48,8	31,7	20,6	12,8	6,4	53,9	2018
	18-20	100,0	100,0	99,3	93,2	83,0	61,8	41,7	23,8	9,8	67,1	2019
	21-23	100,0	100,0	100,0	99,2	94,8	82,1	61,4	37,0	15,8	74,8	2002
TOTALS		100,0	99,8	97,9	91,1	80,9	67,8	52,5	33,8	15,2	69,6	14845

### RELATIVE HUMIDITY

NOV  
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100,0	100,0	100,0	100,0	98,1	92,5	76,9	52,7	24,1	80,0	1676
	03-05	100,0	100,0	100,0	99,9	98,5	94,4	82,2	60,8	28,3	81,8	1616
	06-08	100,0	100,0	100,0	99,9	98,8	96,0	83,9	63,4	29,1	82,6	1706
	09-11	100,0	100,0	99,9	98,8	92,2	80,2	60,9	39,3	16,5	74,4	1906
	12-14	100,0	100,0	98,7	92,4	75,8	55,7	36,7	22,7	11,0	64,8	1916
	15-17	100,0	99,9	98,4	91,3	75,1	55,3	37,7	22,7	11,8	64,8	1967
	18-20	100,0	100,0	100,0	99,1	94,3	80,3	57,7	32,7	15,9	73,7	1967
	21-23	100,0	100,0	100,0	99,8	97,0	87,9	69,7	42,9	19,5	77,2	1960
TOTALS		100,0	100,0	99,6	97,5	90,8	79,5	62,2	41,4	19,1	74,6	14718

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N.C., 28801

# RELATIVE HUMIDITY

13841

WILMINGTON OHIO/CLINTON CO AFB

43-48,53-67

DEC

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100,0	100,0	99,9	99,6	98,3	95,0	81,3	52,5	21,7	80,5	1672
	03-05	100,0	100,0	100,0	99,8	98,5	96,0	83,4	55,7	22,2	81,3	1583
	06-08	100,0	100,0	100,0	99,6	99,1	96,5	84,8	58,6	24,5	81,9	1676
	09-11	100,0	100,0	99,8	99,4	97,8	91,0	72,7	46,3	19,9	78,2	1876
	12-14	100,0	100,0	99,6	98,1	92,5	76,4	54,2	31,7	15,5	72,3	1886
	15-17	100,0	99,9	99,4	97,9	91,6	75,1	53,5	32,1	16,1	72,3	1936
	18-20	100,0	100,0	99,9	99,5	97,9	91,5	71,6	43,8	19,6	77,8	1935
	21-23	100,0	100,0	100,0	99,8	98,9	94,3	77,7	50,4	19,9	79,7	1826
TOTALS		100,0	100,0	99,8	99,2	96,7	89,1	71,9	45,9	19,8	77,8	14492

USAF ETAC

FORM  
JUL 64

0-87-5 (OL 1)

DATA PROCESSING DIVISION  
ETAC, USAF  
ASPBILLE, NC, 28801

# RELATIVE HUMIDITY

13841  
STATION

WILMINGTON OHIO/CLINTON CO AFB  
STATION NAME

43-49,53-68

PERIOD

ALL  
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (EST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100,0	100,0	99,9	99,8	95,9	86,0	66,1	44,3	19,8	76,9	14460
FEB		100,0	100,0	99,9	98,4	94,3	83,6	65,5	41,7	17,8	75,7	12493
MAR		100,0	99,9	99,1	96,0	88,5	76,3	59,3	38,9	16,9	73,0	14868
APR		100,0	99,9	98,0	91,5	80,5	66,3	49,2	31,9	14,2	68,7	14751
MAY		100,0	100,0	98,4	92,2	81,3	66,6	50,8	33,4	14,3	69,4	15269
JUN		100,0	100,0	95,5	92,1	80,5	66,1	49,7	32,2	13,1	68,7	14490
JUL		100,0	99,9	98,3	92,5	81,4	66,8	51,0	33,9	12,1	69,3	14240
AUG		100,0	100,0	99,3	94,5	83,2	69,4	54,2	36,9	13,1	70,7	14799
SEP		100,0	99,8	97,8	91,3	80,9	67,3	52,6	35,1	14,7	69,6	15033
OCT		100,0	99,8	97,9	91,1	80,9	67,3	52,5	33,8	15,2	69,6	14845
NOV		100,0	100,0	99,6	97,5	90,8	79,5	62,3	41,4	19,1	74,6	14710
DEC		100,0	100,0	99,8	99,2	96,7	89,1	71,9	45,9	19,8	77,8	14492
TOTALS		100,0	99,9	98,9	94,6	86,1	72,6	57,1	37,4	15,7	71,9	174413

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

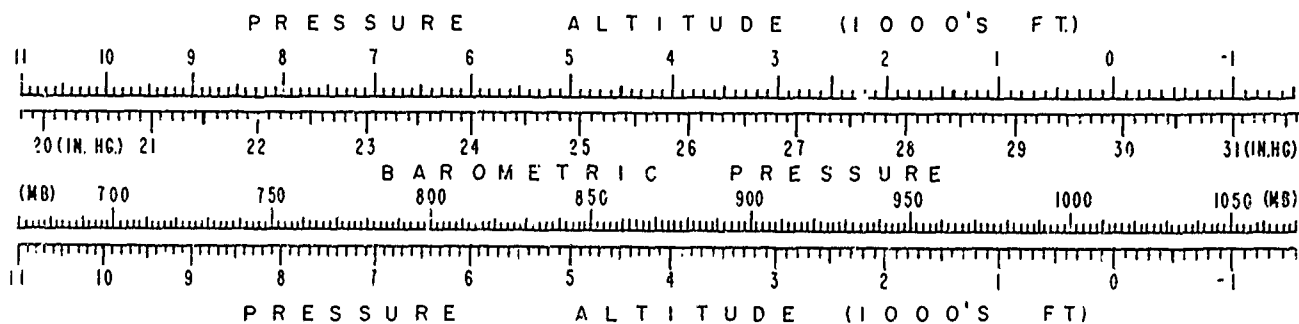
## PART F

## PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.





DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

13841 WILMINGTON UNICLINTON CU AFB 46-49, 53-63, 65-66  
STATION YEARS

HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
01	MEAN	28,949	28,912	28,856	28,849	28,851	28,864	28,890	28,893	28,932	28,930	28,907	28,937	28,897
	S D	,223	,245	,209	,205	,150	,124	,104	,097	,140	,180	,214	,218	,188
	TOTAL OBS	464	368	481	480	488	449	411	434	450	439	449	435	5348
04	MEAN	28,947	28,906	28,844	28,842	28,843	28,862	28,885	28,892	28,927	28,923	28,906	28,938	28,892
	S D	,222	,241	,215	,208	,158	,126	,106	,100	,148	,188	,217	,221	,189
	TOTAL OBS	463	368	481	480	489	449	411	434	449	439	449	435	5347
07	MEAN	28,951	28,922	28,869	28,870	28,873	28,891	28,910	28,920	28,957	28,947	28,920	28,949	28,915
	S D	,221	,243	,218	,212	,165	,129	,109	,105	,145	,187	,224	,224	,189
	TOTAL OBS	464	368	481	480	489	449	450	481	480	468	448	435	5490
10	MEAN	28,983	28,941	28,888	28,880	28,890	28,901	28,924	28,933	28,973	28,969	28,937	28,971	28,933
	S D	,228	,247	,221	,214	,164	,132	,111	,105	,147	,186	,225	,231	,193
	TOTAL OBS	503	404	521	519	534	491	501	523	527	518	519	506	6066
13	MEAN	28,945	28,910	28,866	28,856	28,871	28,883	28,906	28,915	28,947	28,935	28,905	28,933	28,905
	S D	,224	,249	,217	,207	,155	,136	,109	,103	,142	,180	,221	,230	,189
	TOTAL OBS	503	404	521	519	534	499	501	523	529	517	519	505	6074
16	MEAN	28,934	28,885	28,838	28,827	28,846	28,851	28,874	28,884	28,912	28,909	28,892	28,919	28,881
	S D	,227	,248	,216	,203	,148	,135	,108	,109	,137	,170	,212	,227	,185
	TOTAL OBS	521	420	539	535	534	531	520	552	561	549	536	523	6341
19	MEAN	28,930	28,900	28,847	28,832	28,843	28,846	28,868	28,879	28,910	28,922	28,912	28,936	28,887
	S D	,227	,246	,208	,196	,142	,129	,105	,106	,135	,166	,212	,220	,182
	TOTAL OBS	522	420	539	534	532	531	520	552	562	549	536	523	6341
22	MEAN	28,933	28,904	28,853	28,853	28,863	28,866	28,890	28,903	28,937	28,934	28,916	28,939	28,902
	S D	,226	,246	,208	,196	,143	,121	,102	,106	,136	,168	,210	,220	,181
	TOTAL OBS	518	416	534	529	549	523	511	546	553	541	532	517	6269
ALL HOURS	MEAN	28,952	28,911	28,859	28,851	28,860	28,870	28,894	28,904	28,938	28,934	28,912	28,940	28,902
	S D	,226	,246	,214	,206	,154	,129	,108	,102	,142	,178	,217	,224	,187
	TOTAL OBS	3958	3168	4087	4076	4190	3922	3825	4045	4111	4117	3988	3879	47276

DATA PROCESSING DIVISION  
ETAC, USAF  
ASHEVILLE, N. C. 28801

# MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

13841

WILMINGTON OHIO/CLINTON CO AFB

46-49, 53-63, 65-68

STATION

STATION NAME

YEARS

HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
01	MEAN	1020.1	1018.8	1016.6	1015.7	1015.4	1015.4	1016.1	1016.4	1018.0	1018.4	1018.2	1019.6	1017.4
	S D	7.993	8.687	7.506	7.205	5.370	4.332	3.712	3.426	5.041	6.379	7.667	7.910	6.681
	TOTAL OBS	463	368	480	480	488	449	411	434	450	439	449	435	5344
04	MEAN	1020.4	1018.6	1016.2	1015.5	1015.1	1015.3	1016.0	1016.3	1017.8	1018.2	1018.2	1019.7	1017.2
	S D	8.059	8.635	7.734	7.308	5.640	4.405	3.788	3.530	5.172	6.574	7.778	7.989	6.813
	TOTAL OBS	463	368	480	480	488	449	411	434	449	438	449	435	5344
07	MEAN	1020.6	1019.3	1017.1	1016.5	1016.2	1016.4	1017.1	1017.5	1018.9	1019.2	1018.8	1020.2	1018.1
	S D	8.163	8.738	7.867	7.446	5.861	4.510	3.862	3.713	5.196	6.638	8.018	8.112	6.839
	TOTAL OBS	464	368	479	480	488	449	430	481	480	465	449	425	5486
10	MEAN	1021.0	1020.0	1017.7	1016.9	1016.8	1016.6	1017.4	1017.8	1019.3	1019.9	1019.4	1021.0	1018.7
	S D	8.284	8.850	7.966	7.471	5.832	4.630	3.934	3.696	5.206	6.547	8.032	8.392	6.950
	TOTAL OBS	503	404	520	518	522	488	495	522	528	518	518	506	6032
13	MEAN	1020.1	1018.9	1016.9	1016.1	1015.9	1015.8	1016.5	1017.1	1018.4	1018.4	1018.0	1019.6	1017.4
	S D	8.203	8.787	7.753	7.330	5.600	4.447	3.881	3.614	5.054	6.482	7.971	8.220	6.784
	TOTAL OBS	464	367	480	478	489	449	434	465	480	470	479	434	5489
16	MEAN	1019.7	1018.1	1015.9	1015.0	1015.0	1014.9	1015.7	1016.0	1017.2	1017.6	1017.6	1019.1	1016.8
	S D	8.084	8.840	7.498	7.120	5.336	4.340	3.858	3.538	4.950	6.181	7.708	8.070	6.672
	TOTAL OBS	464	367	480	478	488	449	434	465	480	470	478	436	5490
19	MEAN	1020.3	1018.7	1016.3	1015.3	1014.9	1014.7	1015.5	1015.9	1017.3	1018.2	1018.4	1019.8	1017.1
	S D	8.051	8.860	7.449	6.817	5.100	4.165	3.700	3.463	4.891	6.078	7.662	7.967	6.643
	TOTAL OBS	463	367	480	479	489	449	450	481	480	470	478	435	5523
22	MEAN	1020.3	1018.9	1016.8	1015.9	1015.8	1015.5	1016.2	1016.6	1018.2	1018.7	1018.6	1019.8	1017.6
	S D	8.211	8.852	7.921	6.855	5.115	4.210	3.824	3.437	4.897	6.022	7.598	8.025	6.605
	TOTAL OBS	500	400	515	513	520	487	491	517	519	510	515	500	5997
ALL HOURS	MEAN	1020.4	1018.9	1016.7	1015.9	1015.8	1015.6	1016.2	1016.7	1018.2	1018.6	1018.4	1019.9	1017.6
	S D	8.144	8.788	7.678	7.215	5.519	4.423	3.846	3.614	5.097	6.386	7.815	8.096	6.774
	TOTAL OBS	3786	3009	3916	3906	3993	3669	3578	3799	3866	3780	3815	3610	44729